



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WinDoor, Incorporated
7500 Amsterdam drive
Orlando, Florida, 32832

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "7000" Aluminum Sliding Glass Door W/WO Reinforcements-LMI

APPROVAL DOCUMENT: Drawing No. **08-00638 Rev F**, titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 12/10/08 and last revised on 02/09/16, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. See Design Pressures Vs sizes, reinforcements, sill riser and glass types in sheets 2 thru 4 & additional sizes in sheets 5 & 6.
2. See anchor charts in sheets 5 & 6. Two (2) anchors at each anchor location shown in sheets 5 & 6, at head, sill and jambs, except one (1) anchor per location pocket (hook-strips jamb) not to exceed 11" O.C. is required per chart #10 (sheet 6).
3. Reinforcement item #32 shall be **A1-6005-T5**, as tested.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # **12-0130.08** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



4
3/18/16

NOA No. 15-0604.09
Expiration Date: June 02, 2020
Approval Date: March 24, 2016
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under files below)
2. Drawing No. **08-00638 Rev F**, titled "7000 Series SGD-LMI", sheets 1 through 21 of 21, prepared by manufacturer, dated 12/10/08 and last revised on 02/09/16, signed and sealed by Luis R. Lomas, P.E.

B. TESTS (Submitted under files # 12-0130.08/# 09-0519.12)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL-210-3533-2**, dated 03/25/09, signed & sealed by Gerald J, Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations, structural & comparative analysis, complying with FBC2014(5th Edition), dated 05-29-15, 12-09-15 and last revised on 02/05/16, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (Submitted under files # 12-0130.08/# 09-0519.12)

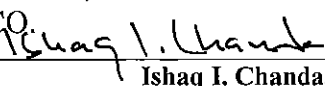
1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "Sentry Glass ® (Clear and White) Glass Interlayers", expiring on 07/04/18.
2. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "Kurray Butacite PVB Interlayers", expiring on 12/11/2016.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014 (5th edition) and "No financial interest", dated 05/29/15, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Test lab compliance statement, part of the above referenced reports.

G. OTHER

1. This NOA revises & renews NOA # **12-0130.08**, expiring on June 02, 2020.
Test Proposals # **07-3931**, dated 04/31/2008 approved by BCCO.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 15-0604.09
Expiration Date: June 02, 2020
Approval Date: March 24, 2016

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2014 (5th. EDITION) FLORIDA BUILDING CODE INCLUDING THE HVHZ.
2. WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. WOOD FRAMING/2X BUCK, 20 GA. 2X WOOD BACKED STEEL STUD OR MASONRY/CONCRETE OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
4. FRAME AND PANEL MATERIAL: ALUMINUM 6063-T6
5. UNITS MUST BE GLAZED PER ASTM E1300-02 OR 04. (SEE DETAILS SHEET 8)
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN AREAS WHERE WIND BORNE DEBRIS PROTECTION IS REQUIRED.
7. APPROVED TO BE INSTALLED ON A 2 TRACK, 3 TRACK OR 4 TRACK FRAME SYSTEM WITH OR WITHOUT POCKETS.

PANEL CONSTRUCTION:

ALL PANELS ARE CONSTRUCTED FROM EXTRUDED 6063-T6 ALUMINUM. VERTICAL STILES ARE NOTCHED TO RECEIVE HORIZONTAL RAILS. EACH RAIL IS SECURED TO STILES WITH (3) #10 x 1 1/4" SQ. DRIVE SCREW AT EACH END, B.O.M. ITEM #47. ALL PANELS HAVE A FIXED GLAZING STOP ON THE INTERIOR AND AN APPLIED GLAZING STOP ON THE EXTERIOR.

FRAME CONSTRUCTION:

EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO JAMBS WITH #8 x 1" TYPE F SCREW, B.O.M. ITEM #48, (2) AT EACH CORNER ON 2 TRACK FRAME, (3) AT EACH CORNER ON 3 TRACK FRAME AND (4) AT EACH CORNER ON 4 TRACK FRAME.

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

ANCHORING NOTES:

1. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE TWO INSTALLATION ANCHORS AT EACH INSTALLATION ANCHOR LOCATION IN HEAD, SILL AND JAMBS.
2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 4 TRACK, HAVE ONE INSTALLATION ANCHOR AT EACH INSTALLATION ANCHOR LOCATION IN HOOK STRIP.
3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK AT HEAD, SILL AND JAMBS USE 1/4" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 1 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD AT HEAD, SILL AND JAMBS USE #10 GRADE 5 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT AND 3/4" MINIMUM EDGE DISTANCE INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM TO BE 1/4".
6. ALL FASTENERS TO BE CORROSION RESISTANT.
7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL BACKED FRAMING - 20 GA (.040) MINIMUM THICKNESS (TO BE USED WITH WOOD FRAMING)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0604-09
Expiration Date: June 02, 2020
Luis R. Lomas
Miami, Florida Product Control

SIGNED: 02/09/2016

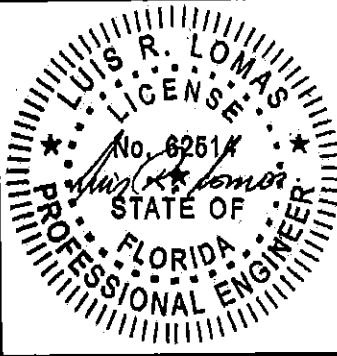
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SHEET NO.	DESCRIPTION
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5 - 6	CHARTS
7	ANCHORING LAYOUT
8 - 9	BILL OF MATERIALS AND GLAZING DETAILS
10 - 15	CROSS SECTIONS
16 - 19	INSTALLATION DETAILS
20 - 21	COMPONENTS

WinDoor
INCORPORATED

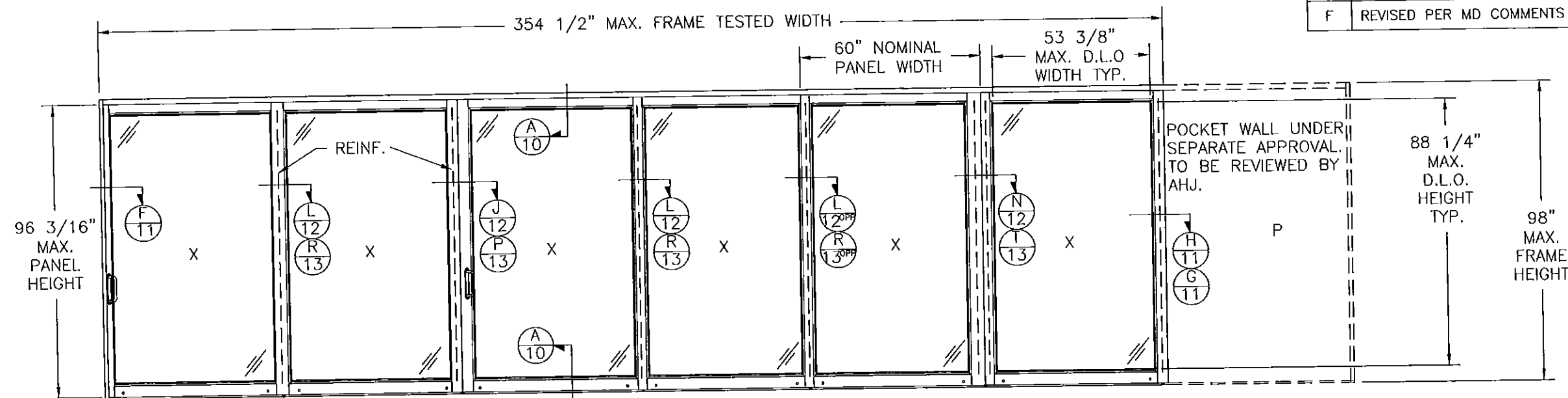
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.6400
Fax: 407.481.0505
www.windoorinc.com

7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
NOTES

DRAWN: TJH	DWG. NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 1 OF 21

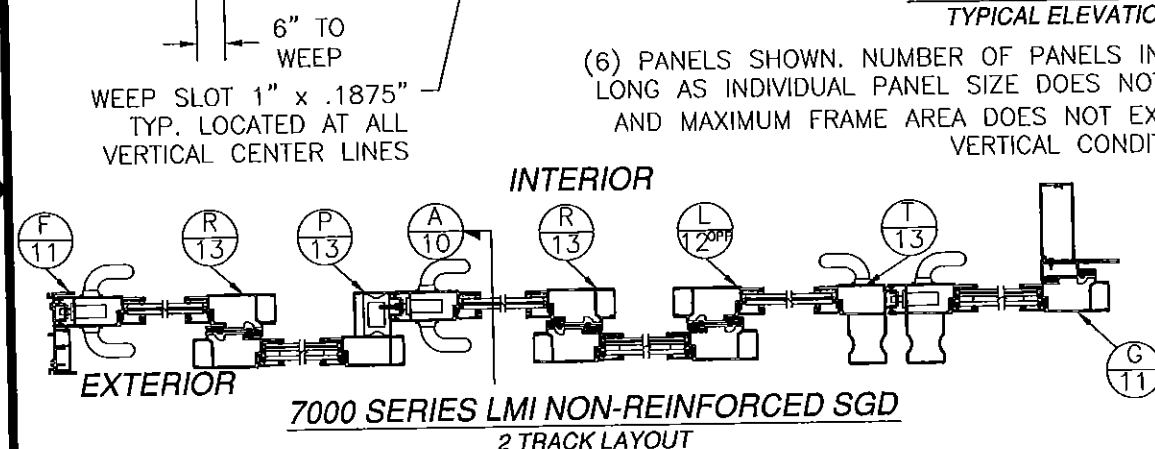


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



7000 SERIES LMI SGD (XXXXXXP)
TYPICAL ELEVATION EXTERIOR VIEW

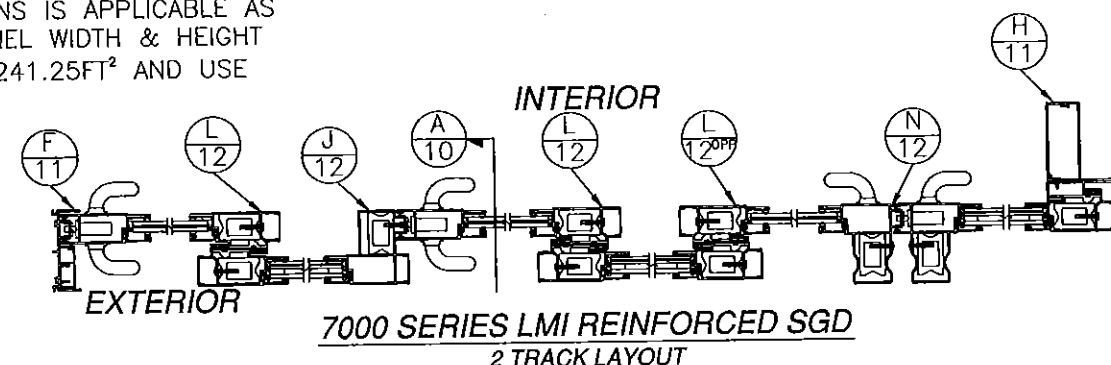
(6) PANELS SHOWN. NUMBER OF PANELS IN LIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL WIDTH & HEIGHT AND MAXIMUM FRAME AREA DOES NOT EXCEED TESTED AREA = 241.25FT² AND USE VERTICAL CONDITIONS AS SHOWN.



7000 SERIES LMI NON-REINFORCED SGD
2 TRACK LAYOUT

NON-REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5



7000 SERIES LMI REINFORCED SGD
2 TRACK LAYOUT

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 4, 9 & 14
FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-060409
Expiration Date: 6/2/20
By: Ishag I. Chaudhry
Major Trade Product Control

SIGNED: 02/09/2016

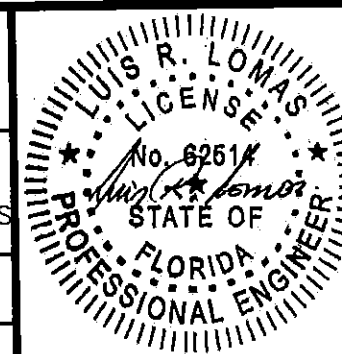
PANEL AND D.L.O. FORMULA
PANEL HEIGHT = UNIT HEIGHT - 1 9/16"
D.L.O. HEIGHT = PANEL HEIGHT - 7.9375"
D.L.O. WIDTH = PANEL WIDTH - 6.625"

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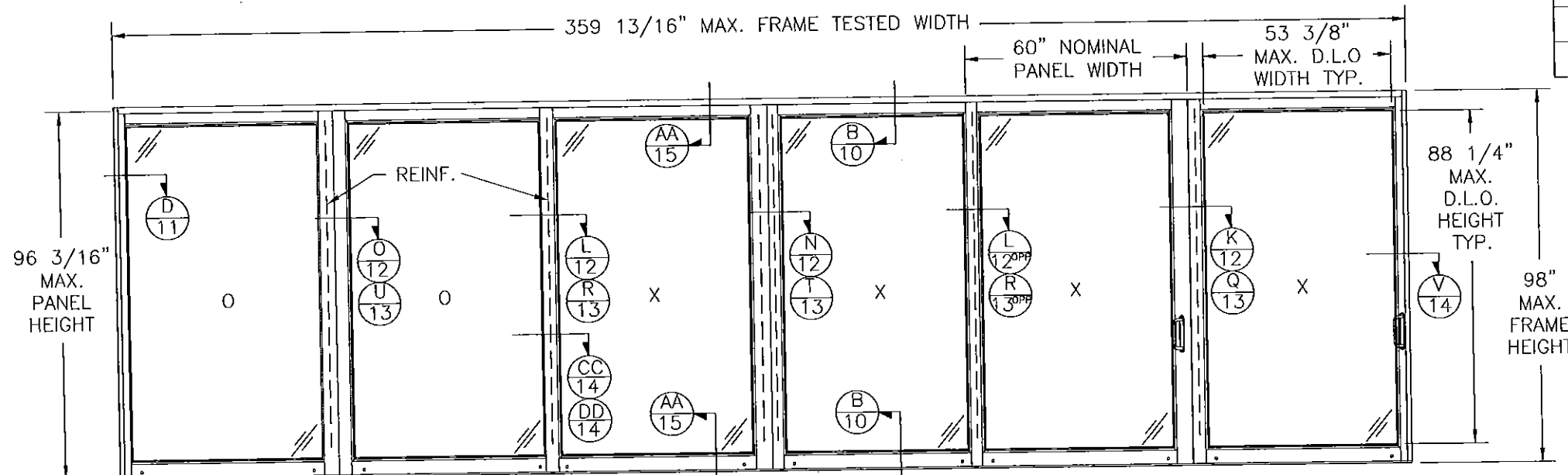
7500 AMSTERDAM DRIVE
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Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
ELEVATION, HORIZONTAL CROSS SECTIONS AND NOTES

DRAWN: TJH	DWG NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 2 OF 21

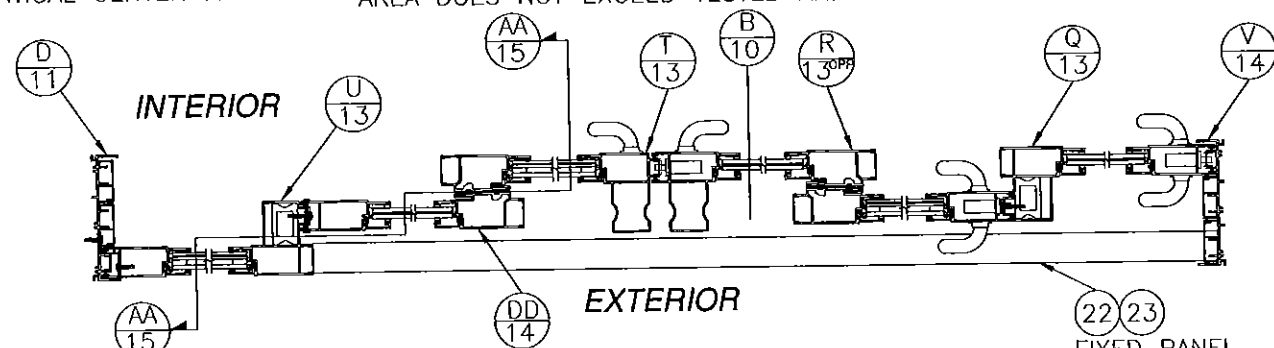


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



7000 SERIES LMI SGD (OOXXXX)
TYPICAL ELEVATION EXTERIOR VIEW

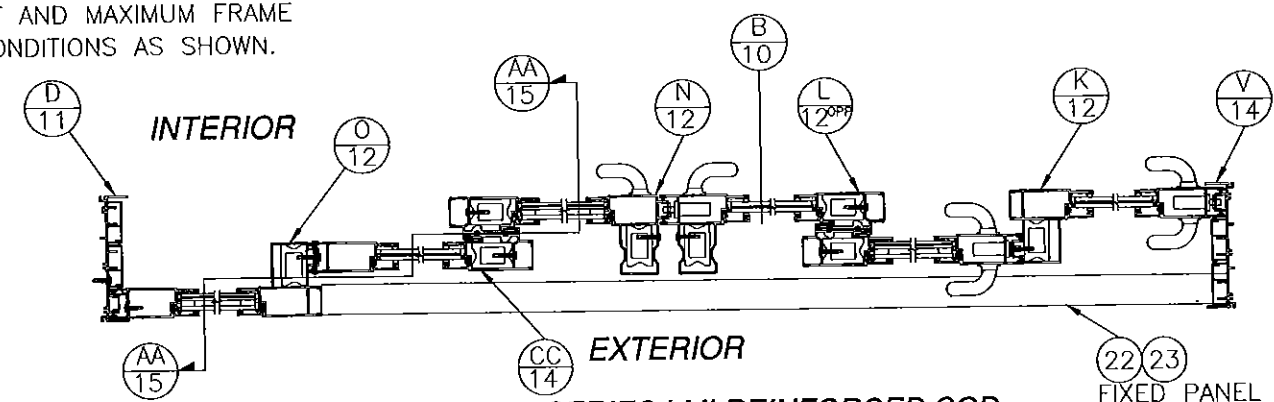
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0604.09
Expiration Date 6/2/20
Luis R. Lomas
Professional Engineer



7000 SERIES LMI NON-REINFORCED SGD
3 TRACK LAYOUT

NON-REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±45.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5



7000 SERIES LMI REINFORCED SGD
3 TRACK LAYOUT

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5

REINFORCED	
DESIGN PRESSURE RATING	IMPACT RATING
±60.0PSF	LARGE MISSILE IMPACT

WITH SILL ITEMS 4, 9 & 14
FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6

SIGNED: 02/09/2016

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INCORPORATED

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7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
ELEVATION AND HORIZONTAL CROSS SECTIONS

DRAWN: TJH

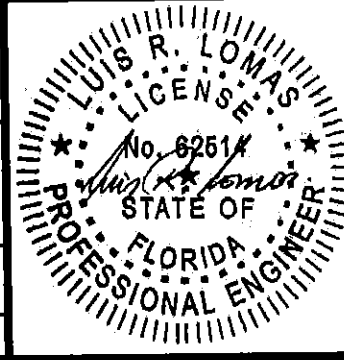
DWG NO. 08-00638

REV F

SCALE NTS

DATE 12/10/08

SHEET 3 OF 21



353" MAX. FRAME TESTED WIDTH

60" NOMINAL PANEL WIDTH

53 3/8" MAX. D.L.O. WIDTH TYP.

96 3/16" MAX. PANEL HEIGHT

88 1/4" MAX. D.L.O. HEIGHT TYP.

98" MAX. FRAME HEIGHT

REINF.

Callouts: Z/14, M/12, S/13, BB/15, C/10, X/14, Y/14, L/12, R/13, N/12, T/13, E/11

Markers: O, X

6" TO
WEEP

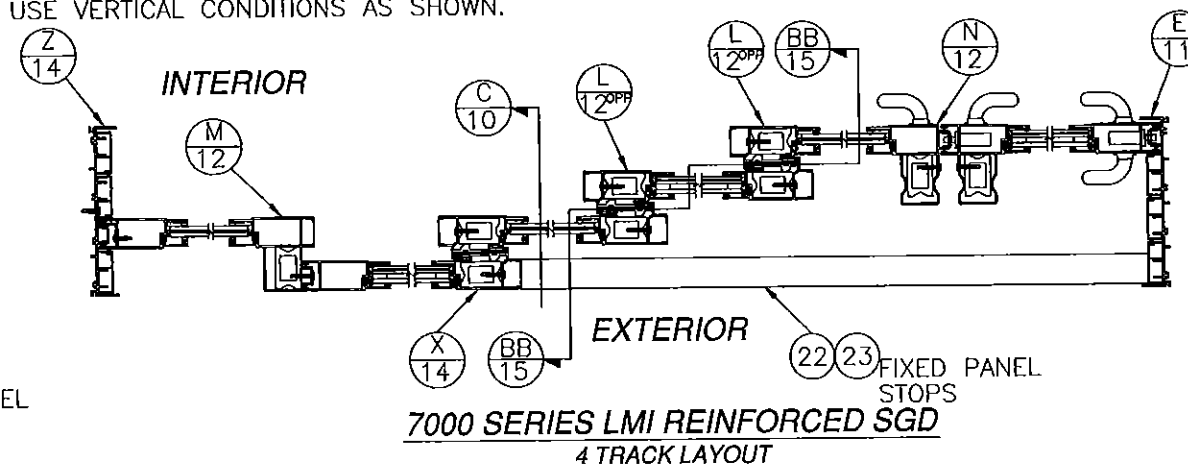
WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL
VERTICAL CENTER LINES

TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN. NUMBER OF PANELS IN LIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL WIDTH & HEIGHT AND MAXIMUM FRAME AREA DOES NOT EXCEED TESTED AREA = 240.24FT² AND USE VERTICAL CONDITIONS AS SHOWN.

(R) (BB) (T) (E) (Z)
1 1 1 1 14

INTERIOR



WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 1, 2 & 3 SHEET 5

WITH SILL ITEMS 3, 8 & 13
FOR ADDITIONAL SIZES SEE CHARTS 4, 5 & 6 SHEET 5

WITH SILL ITEMS 4, 9 & 14
FOR ADDITIONAL SIZES SEE CHARTS 7, 8 & 9 SHEET 6

PRODUCT REVISED
 no complying with the Florida
 Building Code
 Acceptance No 15-060409
 Expiration Date 6/2/20
 By Ichang J. Chander
 Manager, Public Product Control

SIGNED: 02/09/2016

7500 AMSTERDAM DRIVE
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DRAWN: TJH		DWG NO. 08-00638		RE F
SCALE NTS	DATE 12/10/08	SHEET 4 OF 21		

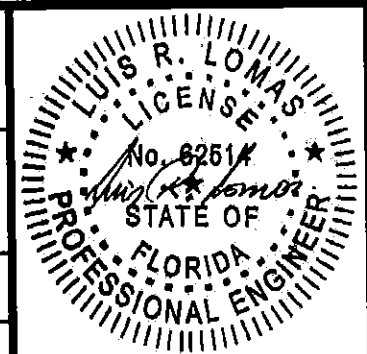


Chart #1 - Design pressure capacity (psf)
7000 Series Impact Non-reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	58.8	58.8
84.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	59.6	59.6	56.7	56.7
96.0	60.0	60.0	60.0	60.0	60.0	60.0	58.3	58.3	53.1	53.1	49.3	49.3	46.4	46.4
98.0	60.0	60.0	60.0	60.0	60.0	60.0	56.8	56.8	51.7	51.7	47.9	47.9	45.0	45.0

Chart #2 - Design pressure capacity (psf)
7000 Series Impact Non-Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	60.0	60.0	60.0	53.3	53.3	39.2	39.2	49.7	49.7	46.5	46.5	38.4	38.4
84.0	60.0	60.0	60.0	60.0	53.3	53.3	39.2	39.2	48.0	48.0	44.9	44.9	38.4	38.4
96.0	60.0	60.0	56.9	56.9	49.2	49.2	39.2	39.2	40.0	40.0	37.1	37.1	34.9	34.9
98.0	60.0	60.0	55.5	55.5	48.0	48.0	39.2	39.2	38.9	38.9	36.1	36.1	33.9	33.9

Chart #4 - Design pressure capacity (psf)
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	58.8	75.0
84.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	60.0	75.0	59.6	75.0	56.7	75.0
96.0	60.0	75.0	60.0	75.0	60.0	75.0	58.3	75.0	53.1	70.8	49.3	65.7	46.4	61.8
98.0	60.0	75.0	60.0	75.0	60.0	75.0	56.8	75.0	51.7	68.9	47.9	63.8	45.0	60.0

Chart #5 - Design pressure capacity (psf)
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	60.0	75.0	60.0	68.8	53.3	53.3	54.0	54.0	49.7	49.7	47.4	47.4	57.6	57.6
84.0	60.0	75.0	60.0	66.8	53.3	53.3	52.2	52.2	48.0	48.0	47.4	47.4	56.7	57.6
96.0	60.0	68.6	56.9	56.9	49.2	49.2	58.3	65.8	53.1	60.0	47.4	47.4	46.4	52.4
98.0	60.0	67.0	55.5	55.5	48.0	48.0	56.8	64.1	51.7	58.4	47.4	47.4	38.4	38.4

S = SILL
H = HEAD
IL = INTERLOCK
MS = MEETING STILE

NOTE:

- TWO (2) ANCHORS PER LOCATION IS REQUIRED. TOTAL NUMBER OF ANCHORS MUST BE TWICE THE NUMBER OF ANCHORS SHOWN IN CHARTS. EXCEPT FOR POCKET JAMB ANCHORS.

EXAMPLE:

ANCHORS FOR A UNIT WITH 24" WIDE PANELS AND 98" FRAME HEIGHT (SEE CHARTS #3 AND #10 POCKET JAMB).

- HEAD INTERMEDIATE ANCHOR LOCATIONS: 1
 - JAMB ANCHOR LOCATIONS: 8
 - SILL INTERMEDIATE ANCHOR LOCATIONS: 1
 - IL/MS CLUSTER ANCHOR LOCATIONS: 4
 - POCKET ANCHOR LOCATIONS: 9
- TOTAL HEAD ANCHORS: 2
TOTAL JAMB ANCHORS: 16
TOTAL SILL ANCHORS: 2
TOTAL IL/MS CLUSTER ANCHORS: 8
TOTAL POCKET ANCHORS: 9

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

Chart #3
7000 Series Impact Non-Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation
Two (2) Anchors per location

Frame Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	4
84.0	1	7	4	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	4
96.0	1	8	4	1	8	4	1	8	4	1	8	4	2	8	4	2	8	4	2	8	4
98.0	1	8	4	1	8	4	1	8	4	1	8	4	2	8	4	2	8	4	2	8	4

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 15-0604.07
Expiration Date 6/2/20
[Signature]
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Chart #6
7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation
Two (2) Anchors per location

Two (2) Anchors per Location																					
Frame Height (in)	Single Panel Width (in)																				
	24.0			30.0			36.0			42.0			48.0			54.0			60.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
84.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6	3	7	6
96.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	3	8	6
98.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6	2	8	6

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7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
CHARTS

DRAWN: TJH	DWG. NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 5 OF 21

SIGNED: 02/09/2016

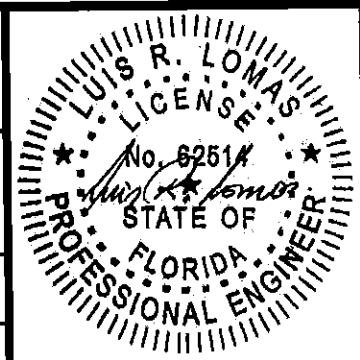


Chart #7 - Design pressure capacity (psf)

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 3 1/8" high sill riser with items 4, 9 & 14
Units installed in masonry/concrete

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
84.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
96.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	70.8	70.8	65.7	65.7	61.8	61.8
98.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	68.9	68.9	63.8	63.8	60.0	60.0

Chart #8 - Design pressure capacity (psf)

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 3 1/8" high sill riser with items 4, 9 & 14
Units installed into wood framing

Frame Height (in)	Single Panel Width (in)													
	24.0		30.0		36.0		42.0		48.0		54.0		60.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
82.0	75.0	75.0	68.8	68.8	53.3	53.3	54.0	54.0	49.7	49.7	47.4	47.4	57.6	57.6
84.0	75.0	75.0	66.8	66.8	53.3	53.3	52.2	52.2	48.0	48.0	47.4	47.4	57.6	57.6
96.0	68.6	68.6	56.9	56.9	49.2	49.2	65.8	65.8	60.0	60.0	47.4	47.4	52.4	52.4
98.0	67.0	67.0	55.5	55.5	48.0	48.0	64.1	64.1	58.4	58.4	47.4	47.4	38.4	38.4

Chart #10

Pocket Jamb Anchor Locations

Number of anchor locations required for wood framing and masonry/concrete installation

(1) Anchor per location

Frame Height (in)	Single Panel Width (in)						
	24.0	30.0	36.0	42.0	48.0	54.0	60.0
	Hook	Hook	Hook	Hook	Hook	Hook	Hook
82.0	8	8	8	8	8	8	8
84.0	8	8	8	8	8	8	8
96.0	9	9	9	9	9	9	9
98.0	9	9	9	9	9	9	9

**FOR NOMENCLATURE AND ANCHOR EXAMPLE
SEE SHEET 5**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
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Chart #9

7000 Series Impact Reinforced SGD - 5'0 x 8'2 panels with 2 1/2" high sill riser with items 3, 8 & 13
Number of anchor locations required for wood framing and masonry/concrete installation

Two (2) Anchors per location

Frame Height (in)	Single Panel Width (in)																	
	24.0			30.0			36.0			42.0			48.0			54.0		
	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster	H&S	Jamb	IL/MS Cluster
82.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6
84.0	1	7	4	1	7	4	1	7	4	2	7	4	2	7	4	2	7	6
96.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6
98.0	1	8	4	1	8	4	1	8	4	2	8	6	2	8	6	2	8	6

PRODUCT REVISED
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Expiration Date 6/2/20
L. L. L. L.
MD, Inc. Product Control

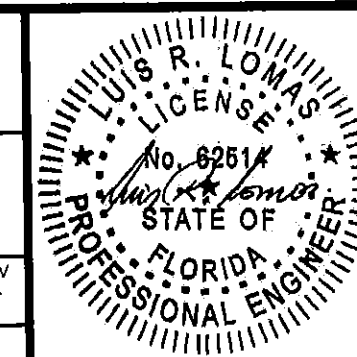
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INCORPORATED

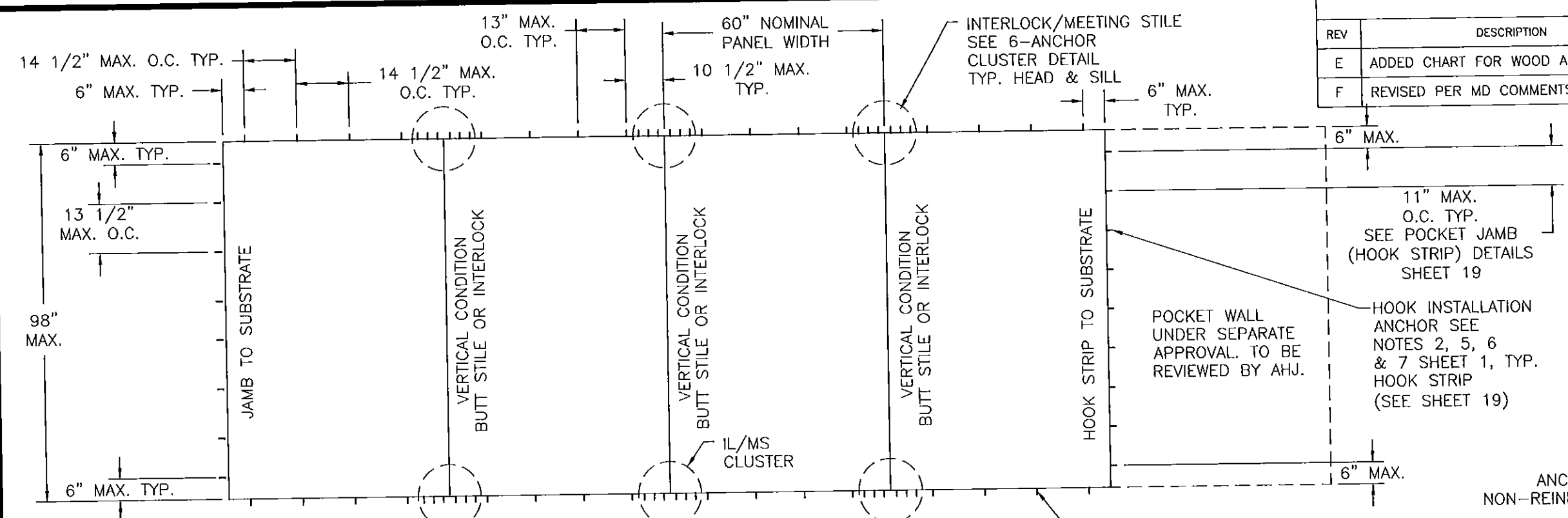
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**7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
CHARTS**

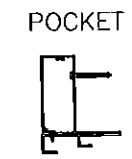
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DWG NO. 08-00638
SCALE NTS
DATE 12/10/08
SHEET 6 OF 21
REV F



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REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



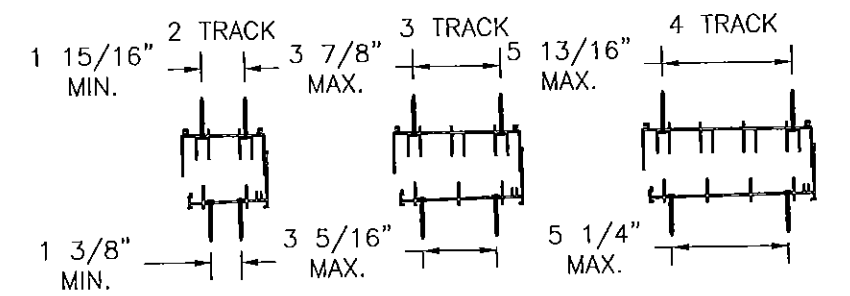
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 Building Code
 Acceptance No. 15-0604.09
 Expiration Date 6/2/20
Luis R. Lomas
 Miami, FL Product Control



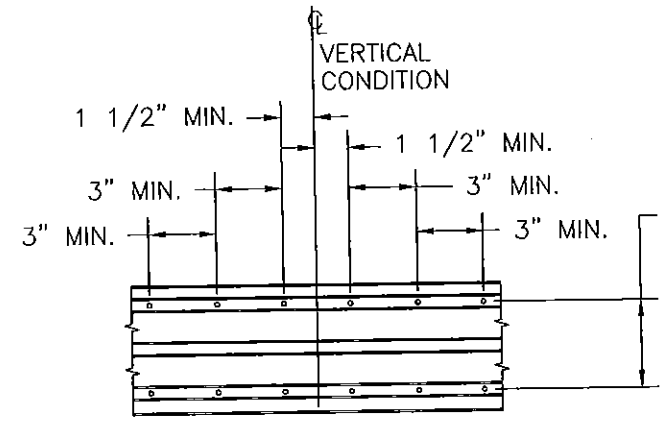
ANCHORAGE LOCATIONS
 NON-REINFORCED AND REINFORCED
 AT HOOK STRIP
 (FOR FURTHER DETAILS SEE SHEET 19)

ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS
 INSTALLATION 4-PANEL UNIT SHOWN, APPLICABLE TO ALL
 CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

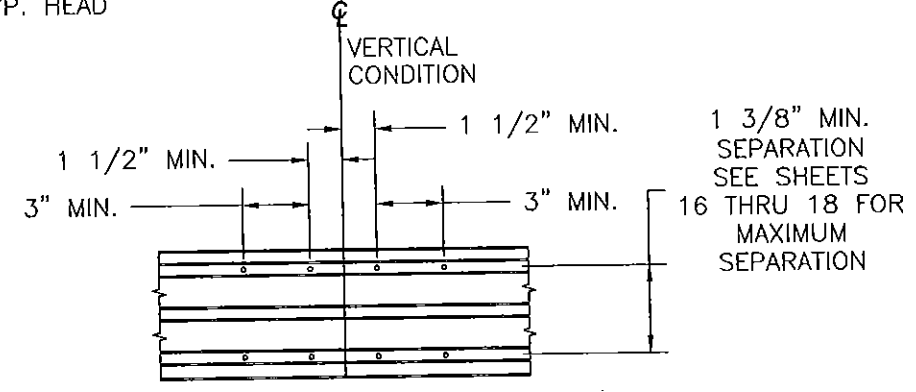
TWO (2) INSTALLATION ANCHORS
 PER LOCATION (EXCEPT HOOK STRIP)
 SEE NOTES 1, 3, 4, 5
 & 6 SHEET 1, TYP. HEAD
 SILL AND JAMBS



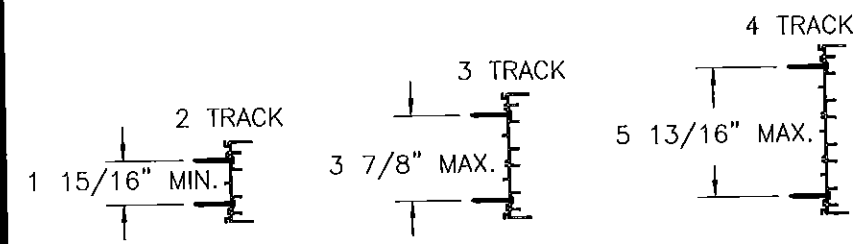
HEAD & SILL ANCHORAGE LOCATIONS
 NON-REINFORCED AND REINFORCED AT HEAD AND SILL
 (FOR FURTHER DETAILS SEE SHEETS 16, 17 AND 18)



6-ANCHOR CLUSTER (TOTAL 12 ANCHORS)
DETAIL AT INTERLOCK/MEETING STILE
 TYP. 2 TRACK, 3 TRACK AND 4 TRACK NON-REINFORCED
 AND REINFORCED AT HEAD & SILL



4-ANCHOR CLUSTER DETAIL
 (8 ANCHORS TOTAL) AT INTERLOCK/MEETING STILE
 TYP. 2 TRACK, 3 TRACK AND 4 TRACK
 NON-REINFORCED AND REINFORCED AT HEAD & SILL

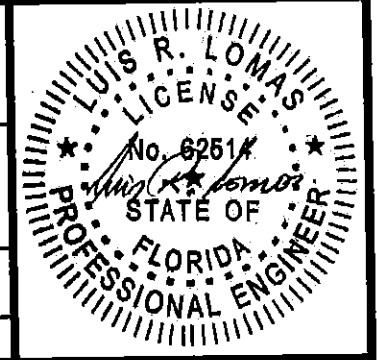


JAMB ANCHORAGE LOCATIONS
 NON-REINFORCED AND REINFORCED AT JAMBS. (FOR
 FURTHER DETAILS SEE SHEETS 16, 17 AND 18)

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**7000 SERIES LMI REINFORCED
 & NON-REINFORCED (5'0 x 8'2 PANEL)
 ANCHORING LAYOUT AND NOTES**

DRAWN: TJH	DWG NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 7 OF 21



PARTS LIST					REVISIONS			
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL	REV	DESCRIPTION	DATE	APPROVED
1	FS-04522	2 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6		E	ADDED CHART FOR WOOD ANCHORING	03/30/15 R.L.
2	FS-04531	2 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6		F	REVISED PER MD COMMENTS	11/10/15 R.L.
3	FS-04525	2 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6				
4	FS-04526	2 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	43	PJS-7623-09-SN	SCREEN ROLLER	SULLIVAN
5	FS-04529	2 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	44		GLAZING, SEE SHT. 9 FOR DETAILS	
6	FS-04511	3 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6	45		#8 x 1/4" PH TYPE F SCREW	STAINLESS STEEL
7	FS-04510	3 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6	46		#8 x 3/4" PH TEK SCREW	410 STAINLESS
8	FS-04506	3 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6	47		#10 x 1 1/4" SQ. DRIVE SCREW	18-8 STAINLESS
9	FS-04507	3 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	48		#8 x 1" PH TYP F SCREW	STAINLES STEEL
10	FS-04508	3 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	49		#10 x 1" PH TEK SCREW	ALUMINUM 6063-T6
11	FS-04523	4 TRACK FRAME HEAD	KEYMARK	ALUMINUM 6063-T6	50		#10 CUT THREAD WOOD SCREW	
12	FS-04532	4 TRACK FRAME JAMB	KEYMARK	ALUMINUM 6063-T6	51		3/16" ITW TAPCON	ITW BUILDEX CARBON STAINLESS
13	FS-04527	4 TRACK SILL PAN W/2 1/2" RISER	KEYMARK	ALUMINUM 6063-T6	52	FH-02300	WS SCREEN BOTTOM RAIL	KEYMARK ALUMINUM 6063-T6
14	FS-04528	4 TRACK SILL PAN W/3 1/8" RISER	KEYMARK	ALUMINUM 6063-T6	53	FH-02300	WS SCREEN TOP RAIL	KEYMARK ALUMINUM 063-T6
15	FS-04530	4 TRACK FRAME SILL PAN INSERT	KEYMARK	ALUMINUM 6063-T6	54	GS-VN-07A	3/16" GLASS STOP VINYL	VINYL
16	FS-04313	FRAME HEAD TRACK COVER	KEYMARK	ALUMINUM 6063-T6	55	GS-VN-06A	1/4" GLASS STOP VINYL	VINYL
17	FS-04501	RECESSED JAMB TRACK COVER	KEYMARK	ALUMINUM 6063-T6	56	GS-VN-05A	3/4" GLASS STOP VINYL & FIXED	VINYL
18	FS-04509	FLUSH JAMB COVER	KEYMARK	ALUMINUM 6063-T6	57	FH-02395	WS SCREEN STILE	KEYMARK ALUMINUM 6063-T6
19	FS-03684	HOOK STRIP BASE	KEYMARK	ALUMINUM 6063-T6	58	W332217K0000	.220" FIN WEATHERSTRIP	
20	FS-04476	HOOK STRIP WALL COVER	KEYMARK	ALUMINUM 6063-T6	59	W234017K0000	.400" FIN WEATHERSTRIP	
21	FS-04477	HOOK STRIP WALL MOUNT	KEYMARK	ALUMINUM 6063-T6	60	W333517K0000	.350" FIN WEATHERSTRIP	
22	FS-04535	PANEL STOP SILL COVER	KEYMARK	ALUMINUM 6063-T6	61		GLASS SETTING BLOCK	
23	FS-04332	PANEL STOP HEAD COVER	KEYMARK	ALUMINUM 6063-T6	62	SIKAFAST 552	GLAZING COMPOUND	SIKA CORP. POLYURETHANE
24	FS-04631	TOP AND BOTTOM RAIL	KEYMARK	ALUMINUM 6063-T6	63		SILICONE CAULK	PECORA SILICONE
25	FS-04327	PANEL LOCK/PLAIN STILE	KEYMARK	ALUMINUM 6063-T6	64		WEEP COVER/GATE	
26	FS-04516	PANEL INTERLOCK STILE LEFT	KEYMARK	ALUMINUM 6063-T6	65		#8 x 3/8" PH TYPE F SCREW	STAINLESS STEEL
27	FS-04515	PANEL INTERLOCK STILE RIGHT	KEYMARK	ALUMINUM 6063-T6	66		#8 x 3/4" PH TEX SCREW	STAINLESS STEEL
28	FS-04789	MALE BUTT STILE	KEYMARK	ALUMINUM 6063-T6	67	FS-02209	WS SCREEN SWEEP	KEYMARK ALUMINUM 6063-T6
29	FS-04790	LOCKING BUTT STILE	KEYMARK	ALUMINUM 6063-T6	68	SGD200	SCREEN HANDLE & LOCK	SULIVAN
30	FS-04505	INTERIOR FIXED BUTT STILE	KEYMARK	ALUMINUM 6063-T6	69		FIBERGLASS SCEEN MESH	FIBERGLASS
31	FS-04504	EXTERIOR FIXED BUTT STILE	KEYMARK	ALUMINUM 6063-T6	70		SCREEN SPLINE	
32	FS-04503	INTERLOCK REINF. BAR, FULL LENGTH	KEYMARK	ALUMINUM 6005-T5	71		ALUMINUM 3/8" NOMINAL SPACER	HELIMA ALUMINUM
33	FS-04312	BUTT STILE/INTERLOCK COVER	KEYMARK	ALUMINUM 6063-T6	72	FS-04791	FIXED PANEL Z-CLIP	KEYMARK ALUMINUM 6063-T6
34	FS-04533	9/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6	73		#10 x 3/4" PPH TEK SCREW	STAINLESS STEEL
35	FS-04524	3/4" GLASS STOP	KEYMARK	ALUMINUM 6063-T6				
36	5000 SS PDR	TANDEM ROLLER SS						
37	2186MI-INT	TRADITIONAL INTERNAL HANDLE						
38	2186MI-DM	TRADITIONAL EXTERIOR HANDLE						
39	7014 SS DLPA	DUAL POINT MORTISE LOCK SET						
40	OW11023BOR750375	RUBBER PANEL BUMPER						
41	V-INT TP 876	INTERLOCK BUMPER						
42		#8 x 1 1/4" SQ. DRIVE SCREW		18-8 STAINLESS				

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BILL OF MATERIALS

DRAWN: TJH	DWG NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 8 OF 21

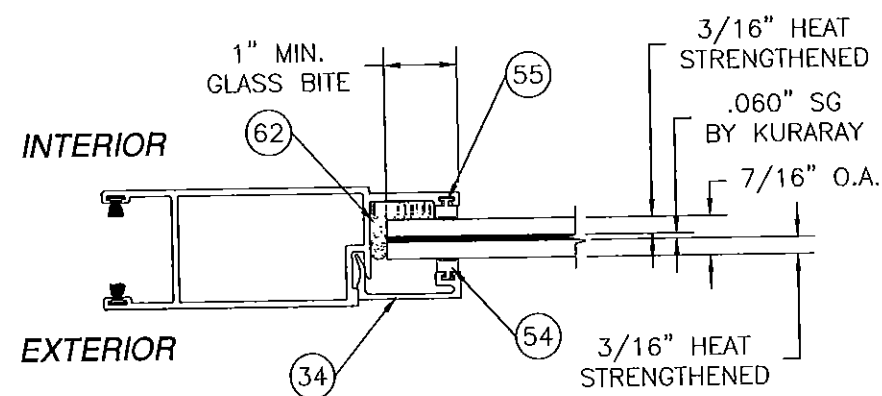
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Acceptance No. 15-0604.09
Expiration Date 6/2/20

L. L. Lomas
L. L. Lomas
Product Control

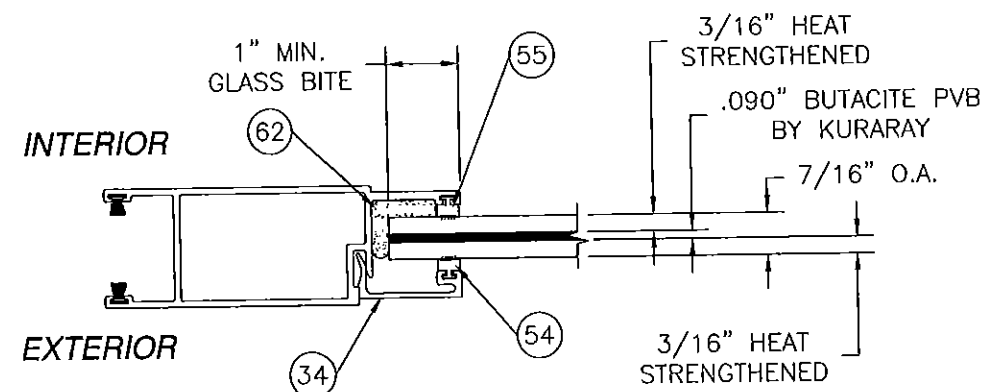
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LUIS R. LOMAS
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

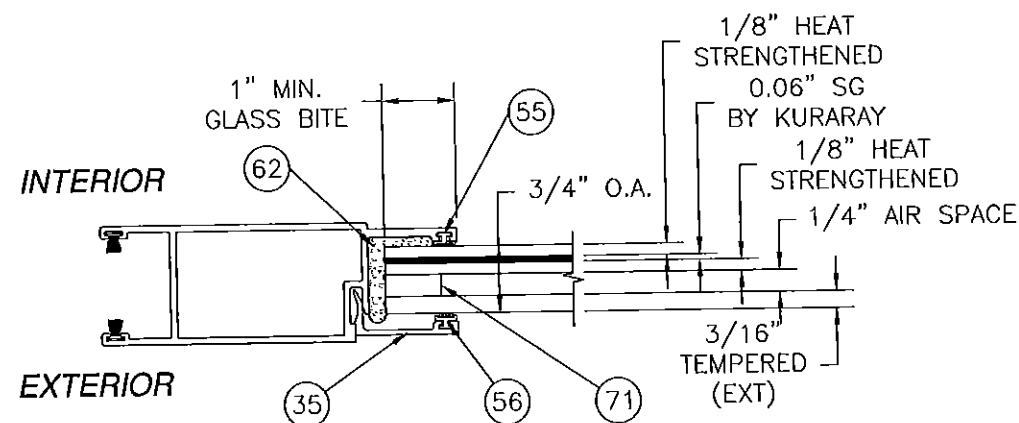
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



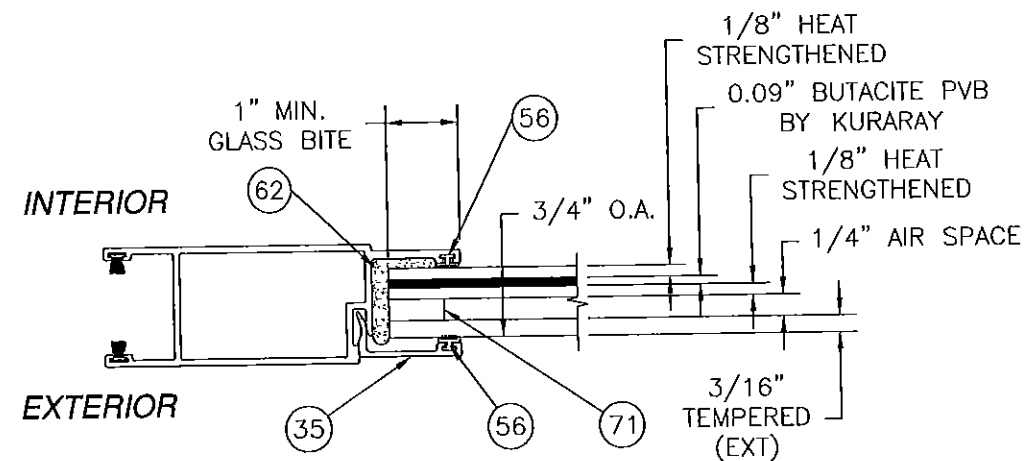
GLAZING TYPE A
 7/16" LAMINATED HEAT STRENGTHENED W/.060" SG BY KURARAY = CONSISTS OF 3/16" HS + .060" SG BY KURARAY + 3/16" HS



GLAZING TYPE B
 7/16" (.465" NOMINAL) LAMINATED HEAT STRENGTHENED W/.090" BUTACITE PVB BY KURARAY = CONSISTS OF 3/16" HS + .090" BUTACITE PVB BY KURARAY + 3/16" HS



GLAZING TYPE C
 3/4" I.G. TEMPERED/HEAT STRENGTHENED W/.060" SG BY KURARAY = CONSISTS OF 3/16" TEMP EXT + 1/4" AIR + 1/8" HS + .060" SG BY KURARAY + 1/8" HS



GLAZING TYPE D
 3/4" I.G. TEMPERED/HEAT STRENGTHENED W/.090" BUTACITE PVB BY KURARAY = CONSISTS OF 3/16" TEMP EXT + 1/4" AIR + 1/8" HS + .090" BUTACITE PVB BY KURARAY + 1/8" HS

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 S. L. Long, L. L. L. L.
 Mgr. of Design/Product Control

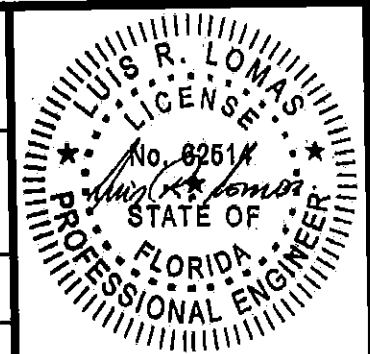
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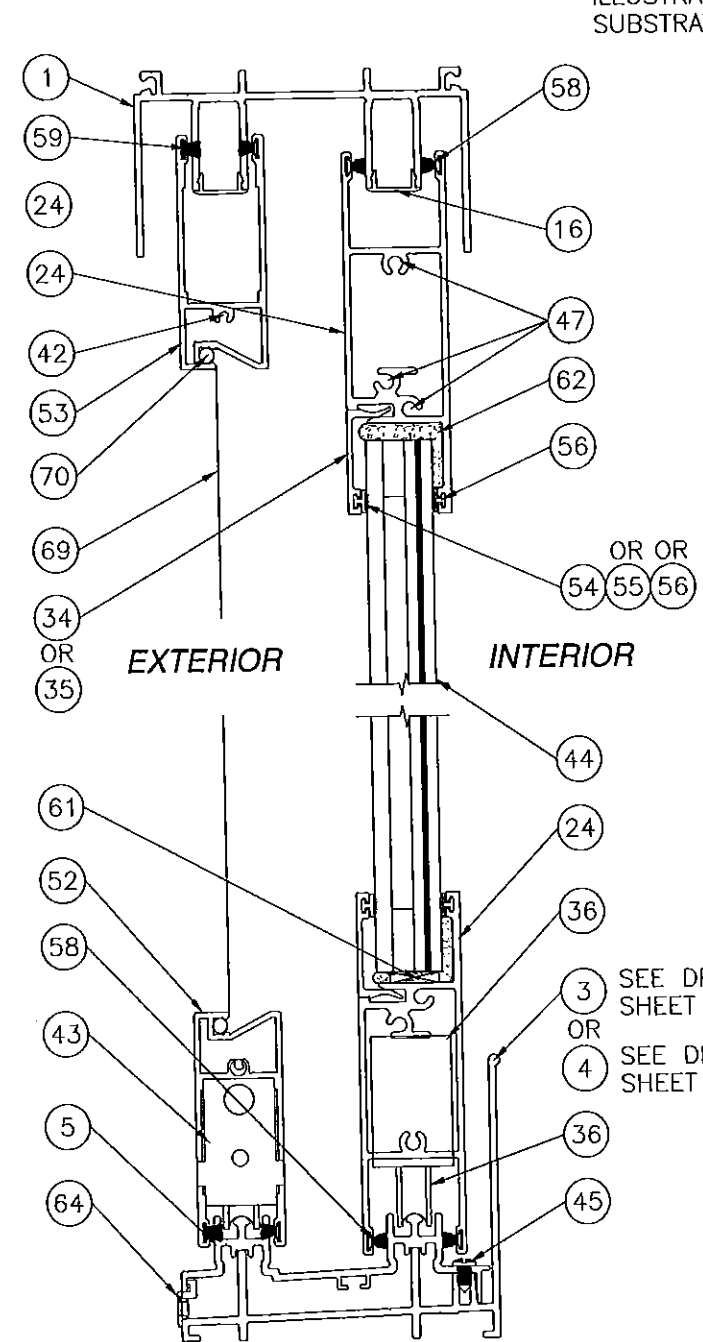
7000 SERIES LMI REINFORCED
 & NON-REINFORCED (5'0" x 8'2" PANEL)
 GLAZING DETAILS

DRAWN: TJH
 DATE: 12/10/08
 DWG. NO.: 08-00638
 REV: F
 SCALE: NTS
 SHEET: 9 OF 21



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

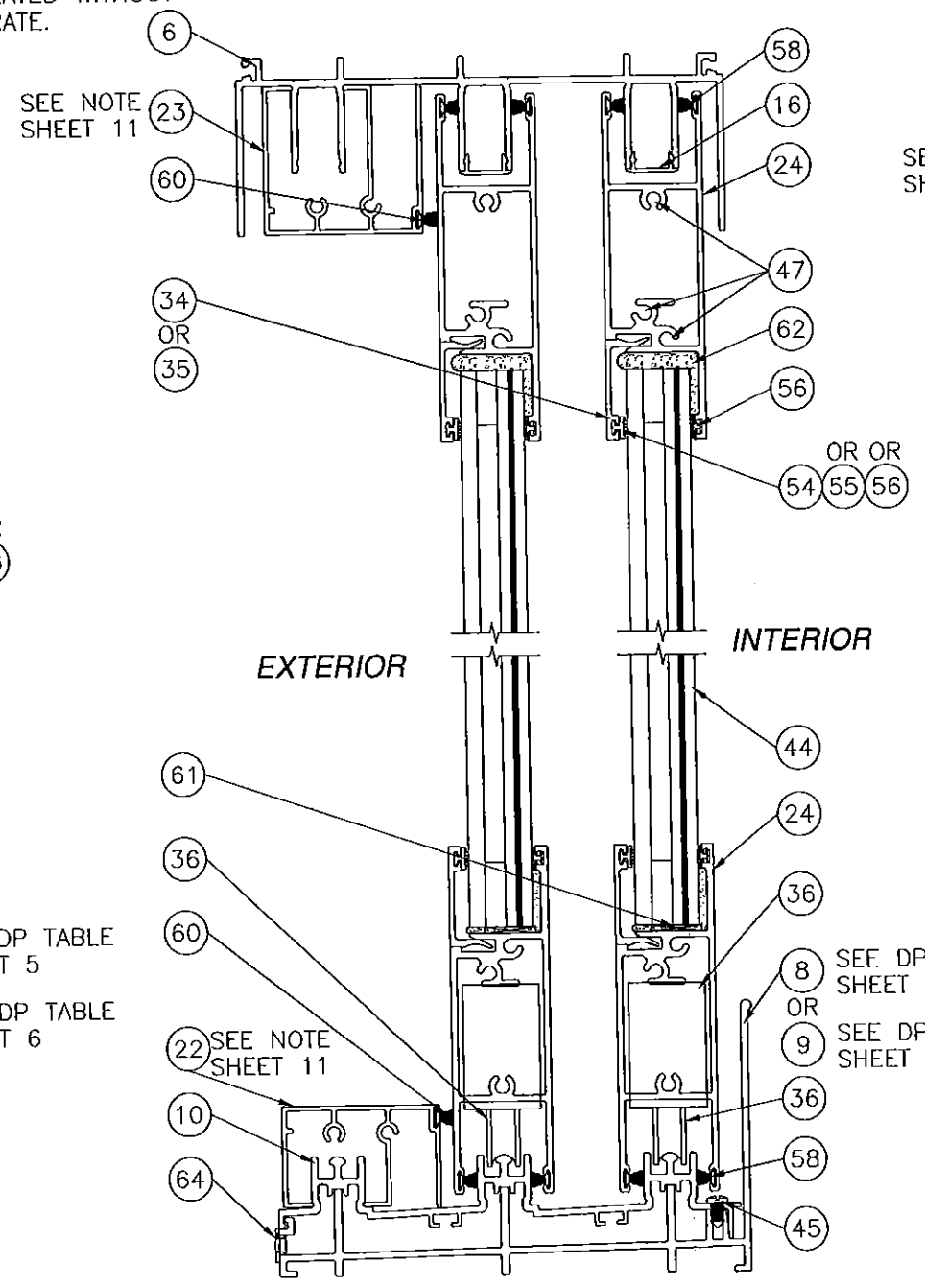
NOTE:
VERTICAL SECTIONS
ILLUSTRATED WITHOUT
SUBSTRATE.



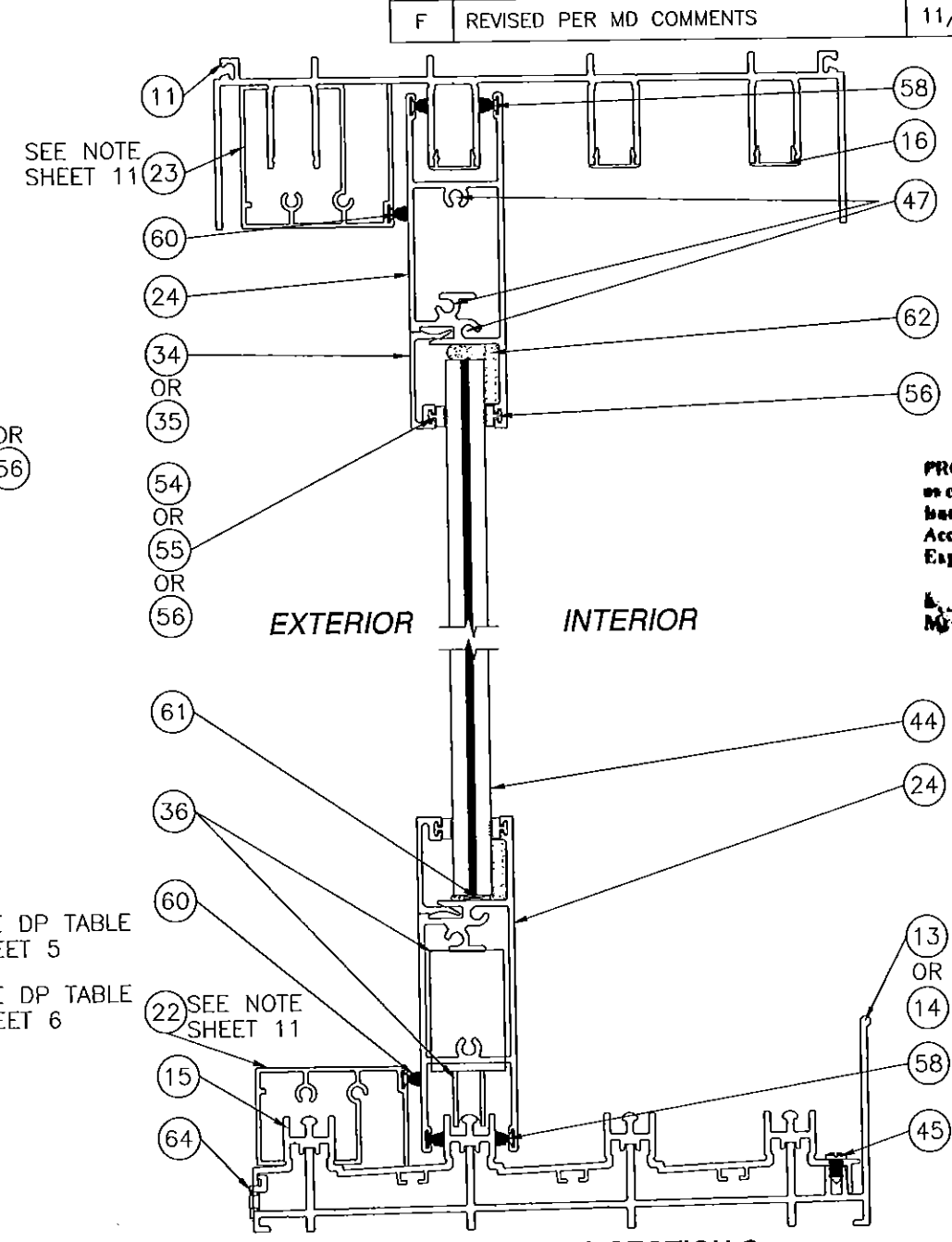
VERTICAL CROSS SECTION A
2 TRACK FRAME SYSTEM

SCREEN NOTE:
THE WS SCREEN IS SHOWN ON THE 2 TRACK UNIT AS
APPLICABLE AT EXTERIOR TRACKS. IT IS QUALIFIED TO BE
INSTALLED ON THE 3 TRACK AND 4 TRACK UNIT ALSO.

NOTE:
SEE SHEETS 16, 17 AND 18 FOR TYPICAL ANCHORAGE TO
VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS
INDICATED ON EACH HEAD AND TRACK SYSTEM. OTHER HEAD AND
TRACK SYSTEMS ARE SIMILAR.



VERTICAL CROSS SECTION B
3 TRACK FRAME SYSTEM



VERTICAL CROSS SECTION C
4 TRACK FRAME SYSTEM

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L. R. Lomas
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VERTICAL CROSS SECTIONS

DRAWN: TJH

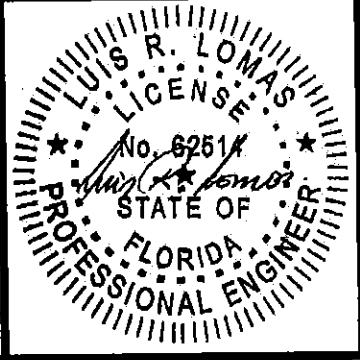
DWG NO. 08-00638

REV F

SCALE NTS

DATE 12/10/08

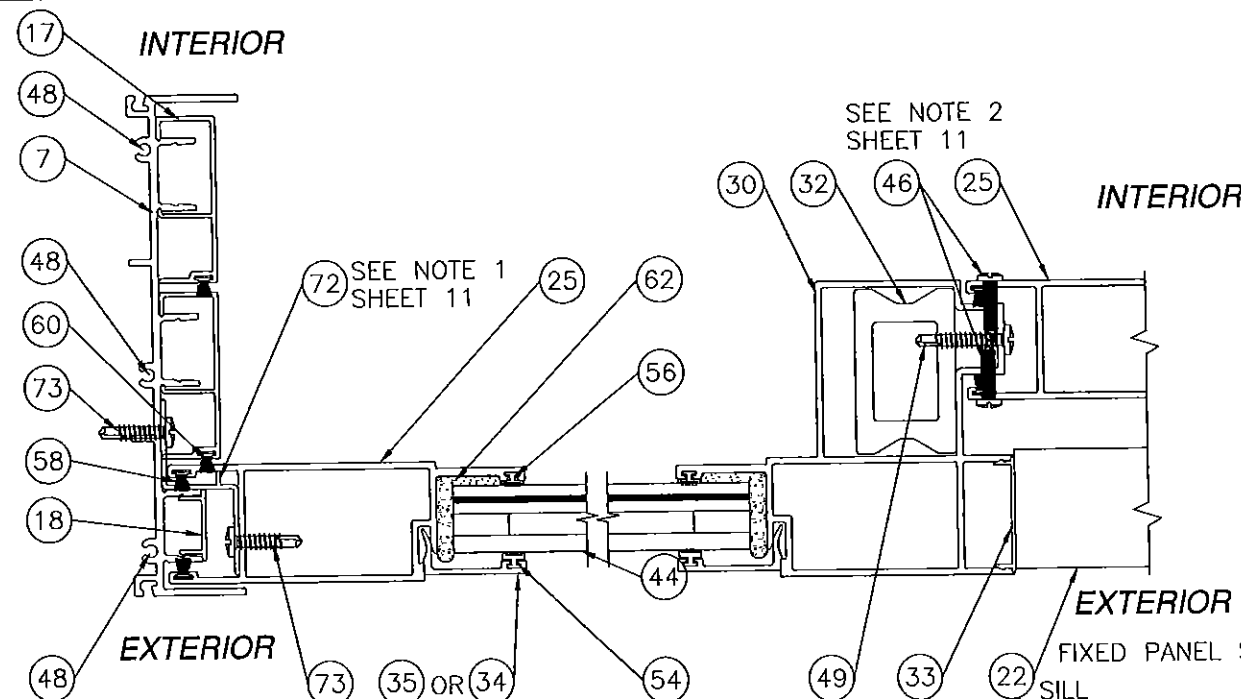
SHEET 10 OF 21



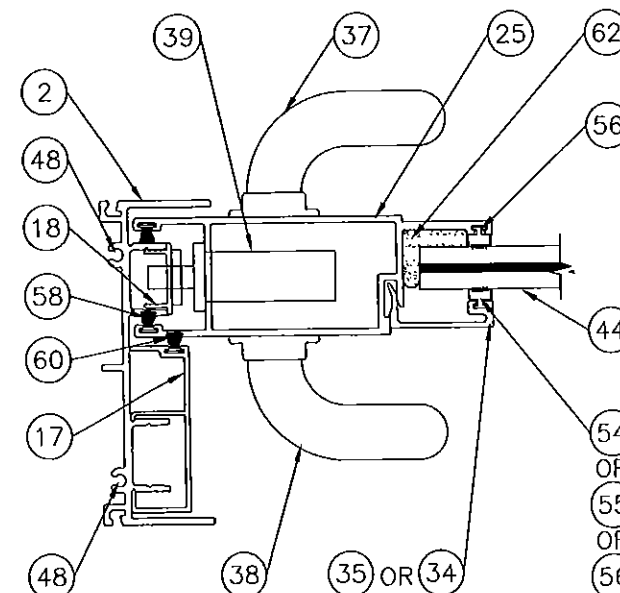
REVISIONS

REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

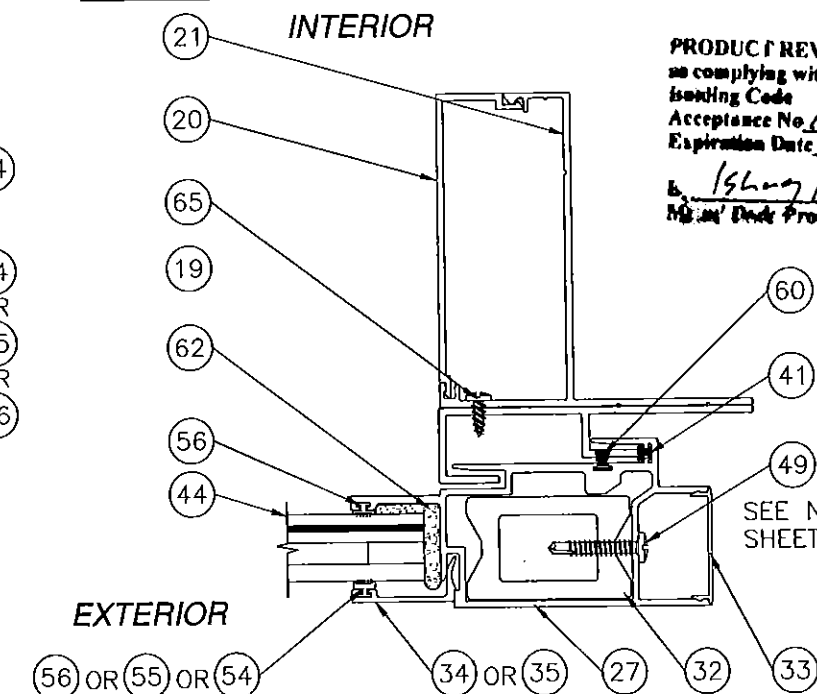
PRODUCT REVISED
 to comply with the Florida
 Issuing Code
 Acceptance No. 15-064.09
 Expiration Date 6/2/20
 by 156471-Change
 Mr. J. Decker Product Control



HORIZONTAL CROSS SECTION D
 PLAIN STILE AT 3 TRACK JAMB



HORIZONTAL CROSS SECTION F
 LOCK STILE AT 2 TRACK JAMB

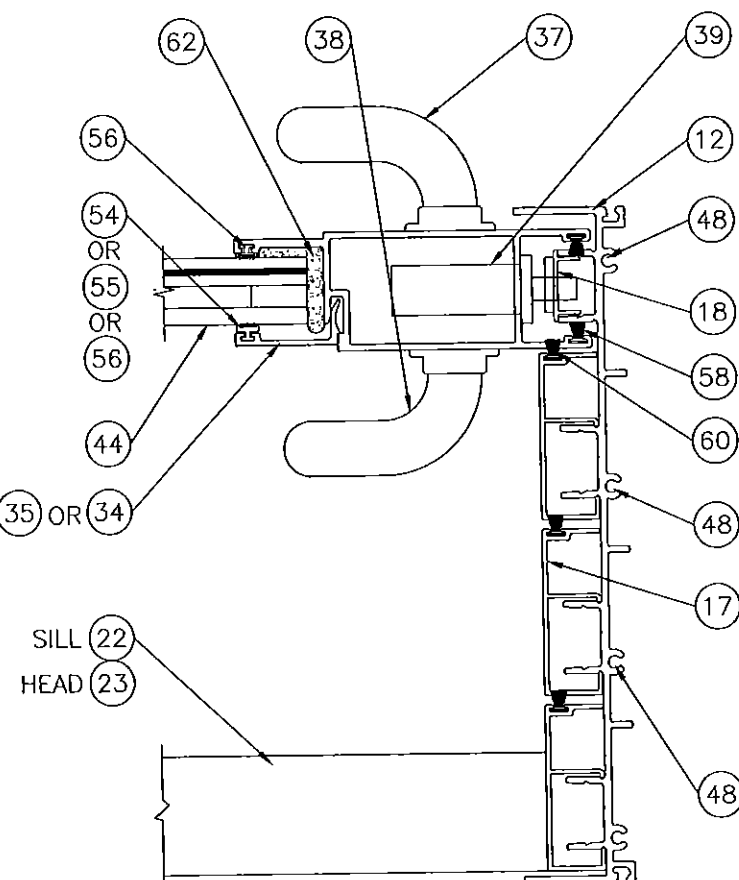


HORIZONTAL CROSS SECTION H
 REINFORCED INTERLOCK STILE AT HOOK STRIP

FIXED PANEL NOTES:
 1. FIXED PANEL TO JAMB CONDITION:
 FIXED PANEL IS SECURED TO JAMB USING (2) Z-CLIPS, ITEM #72, Z-CLIPS ARE LOCATED 24" FROM TOP OF PANEL DOWN AND 24" FROM BOTTOM OF PANEL UP. EACH Z-CLIP IS ATTACHED TO PANEL AND JAMB WITH (3) #10 x 3/4" PPH TEK SCREWS, ITEM #73. REFER TO SHEET 11 SECTION D AND FIXED PANEL STOPS, SILL COVER (ITEM #22) & HEAD COVER (ITEM #23) AND SHEET 14 AND SECTION Z.

2. FIXED PANEL TO FIXED PANEL CONDITION:
 FIXED PANELS ARE SECURED TOGETHER USING #8 x 3/4" PH TEK SCREW, ITEM #46, SCREWS ARE INSTALLED ON PANELS INTERIOR AND EXTERIOR AND ARE LOCATED 4" FROM TOP AND BOTTOM AND IN THE CENTER. REFER TO SHEET 11 SECTION D, AND FIXED PANEL STOPS, SILL COVER (ITEM #22) & HEAD COVER (ITEM #23) SHEET 12 SECTION O, SHEET 13 SECTION U, SHEET 14 SECTION CC AND DD.

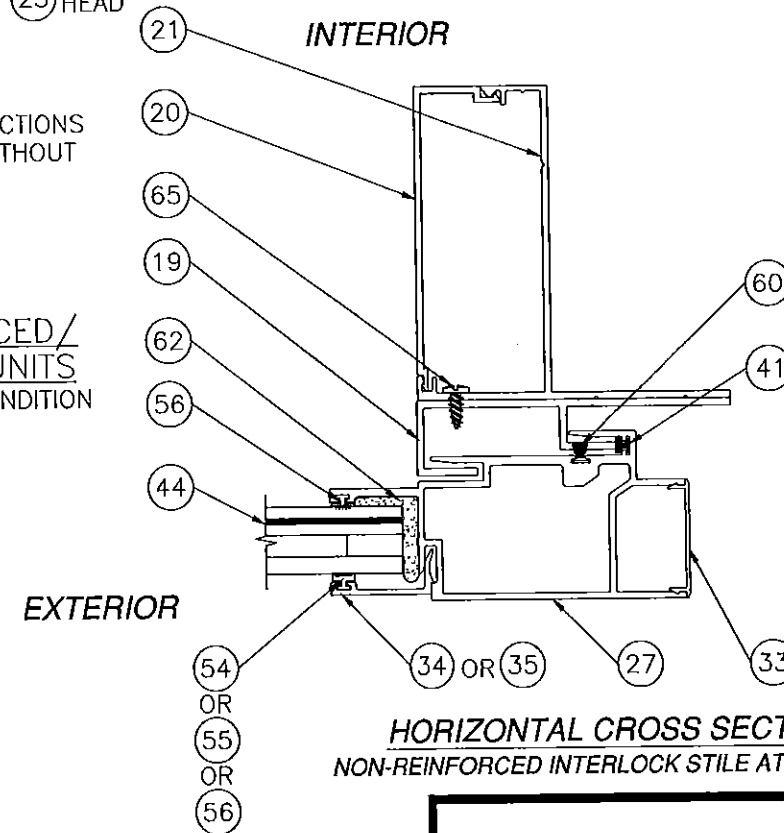
SIGNED: 02/09/2016



HORIZONTAL CROSS SECTION E
 LOCK STILE AT 4 TRACK JAMB

NON-REINFORCED/
 REINFORCED UNITS
 OPERABLE JAMB CONDITION

NOTE:
 SEE SHEETS 16, 17 AND 18 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH TRACK SYSTEM. OTHER TRACK SYSTEMS ARE SIMILAR. SEE SHEET 7.



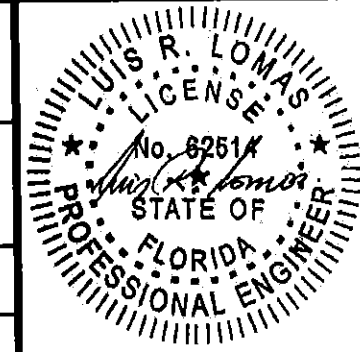
HORIZONTAL CROSS SECTION G
 NON-REINFORCED INTERLOCK STILE AT HOOK STRIP

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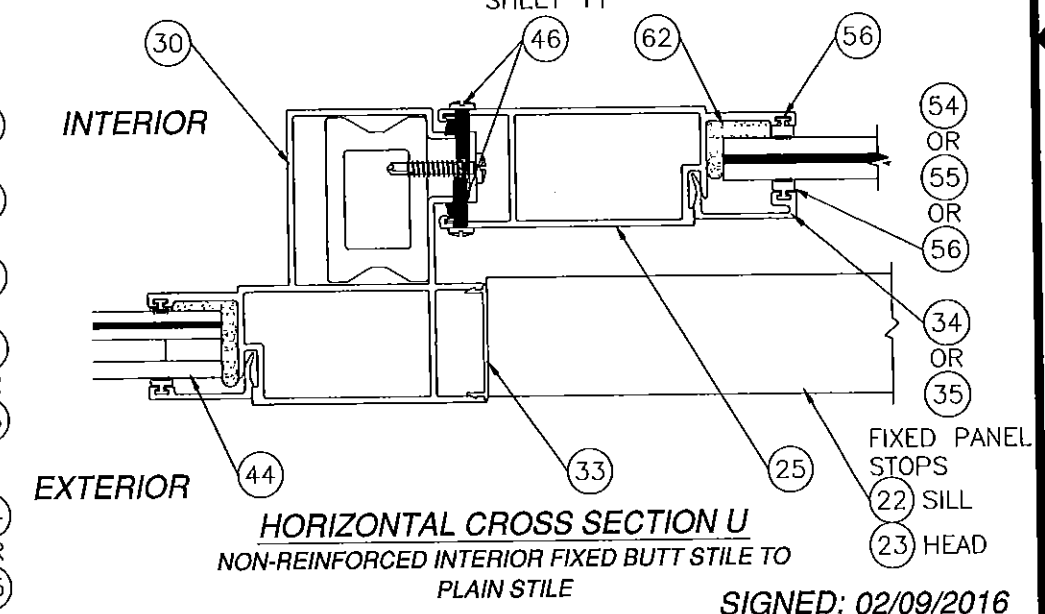
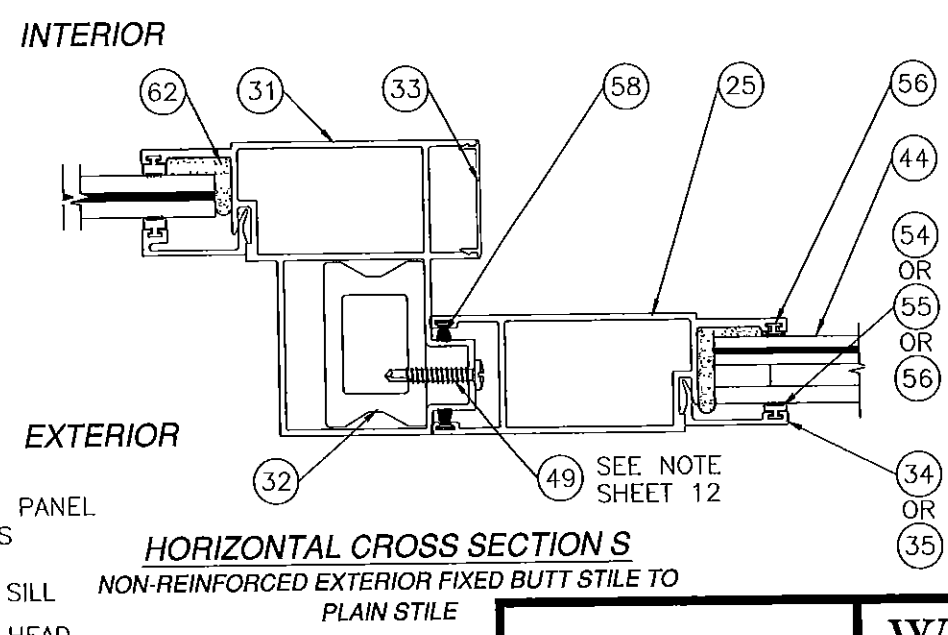
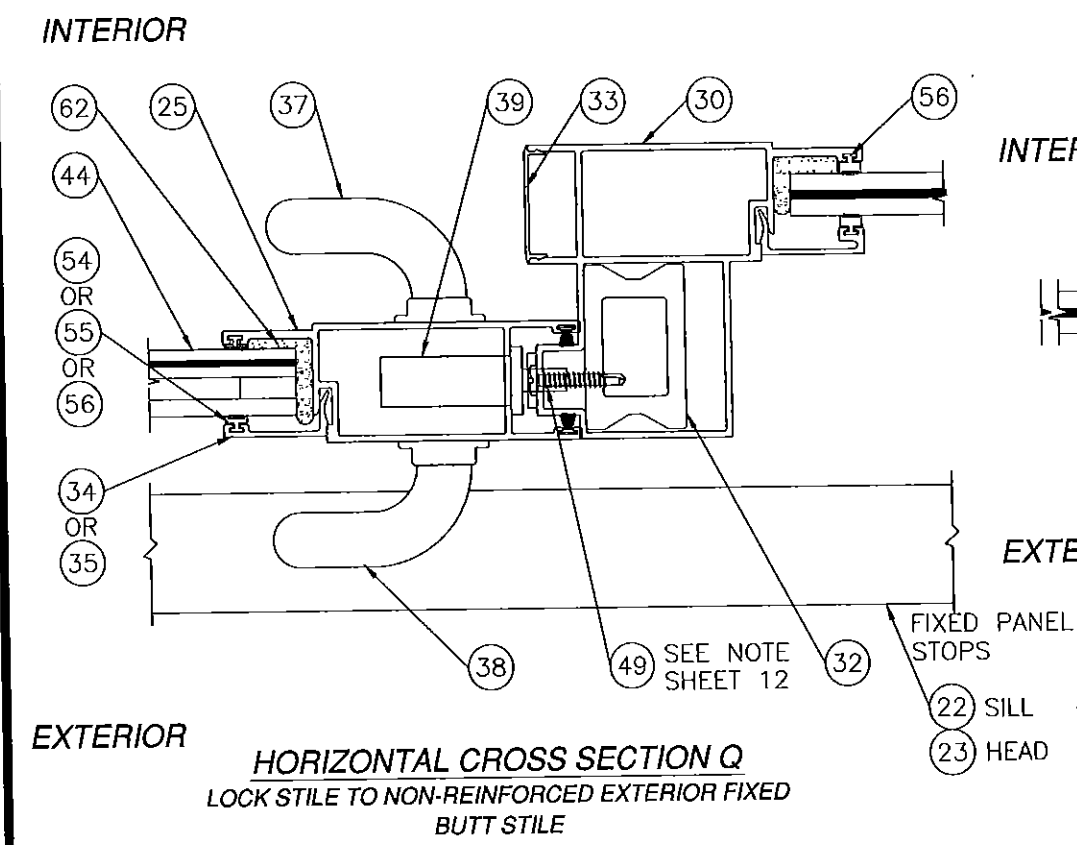
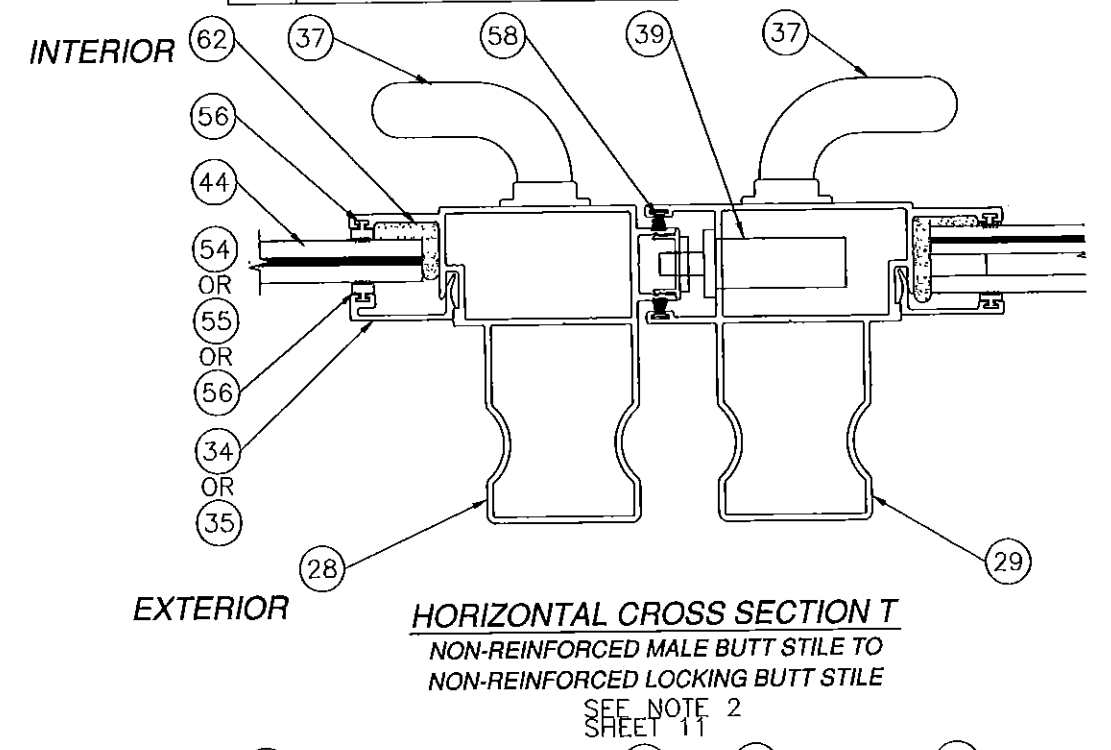
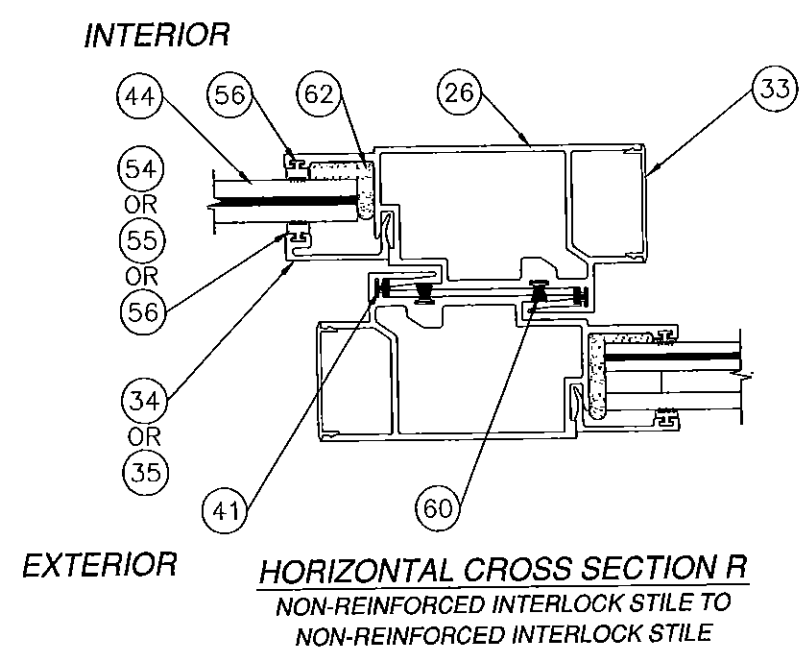
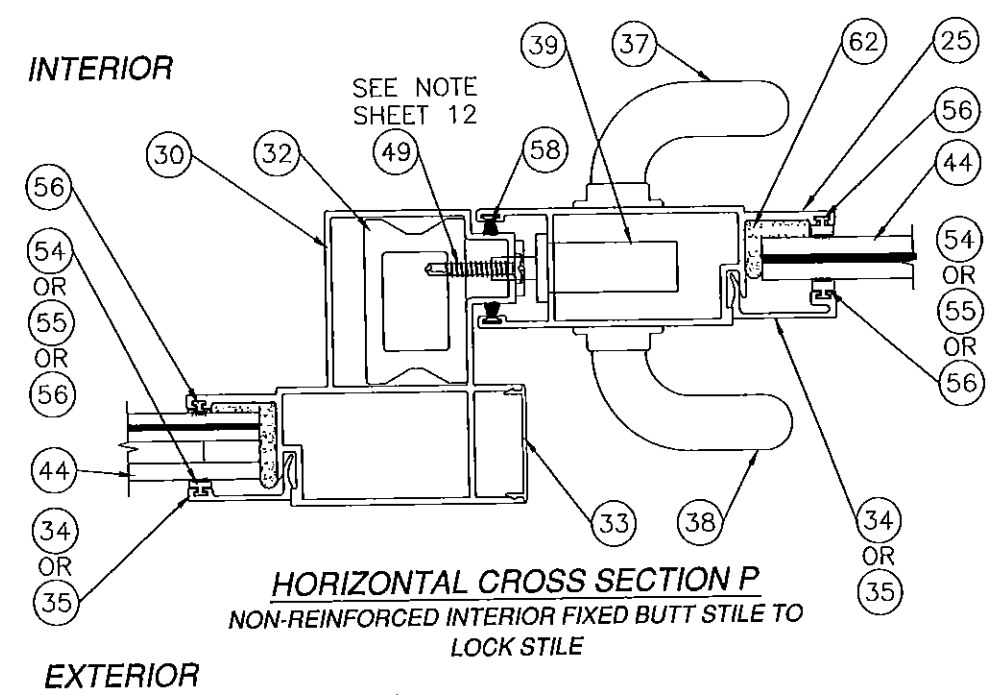
7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0505
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7000 SERIES LMI REINFORCED
 & NON-REINFORCED (5'0 x 8'2 PANEL)
 HORIZONTAL CROSS SECTIONS

DRAWN: TJH	DWG NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 11 OF 21



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



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HORIZONTAL CROSS SECTIONS

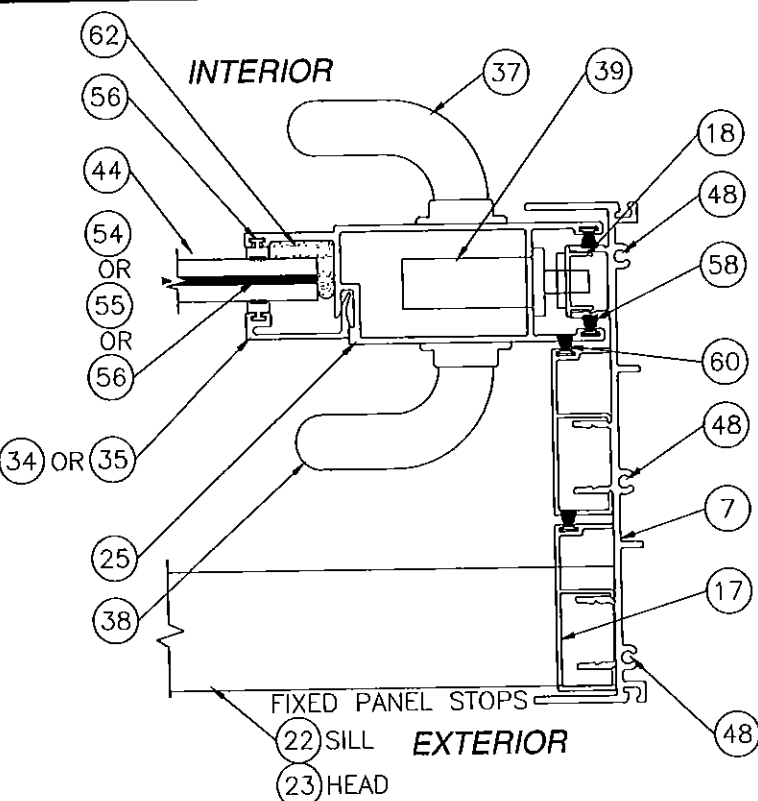
DRAWN: TJH
SCALE NTS

DWG NO. 08-00638
DATE 12/10/08

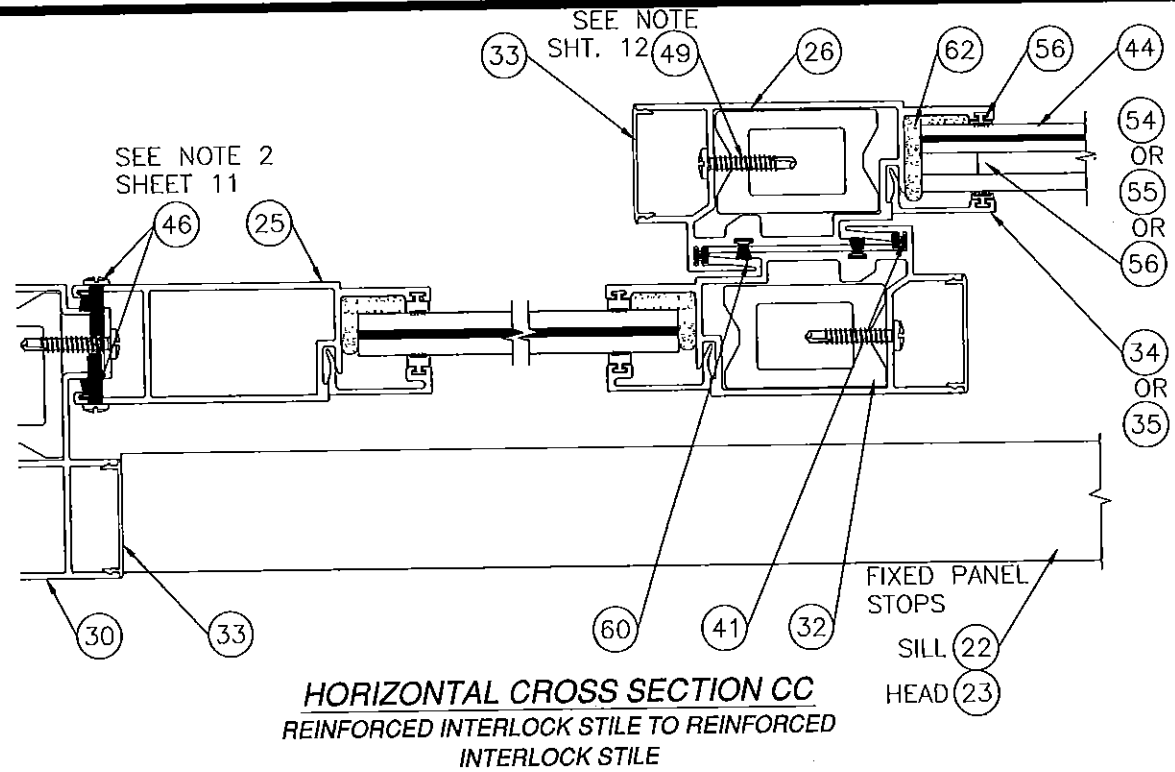
REV F
SHEET 13 OF 21

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0604-09
Expiration Date 6/2/20
by [Signature]
Major Design Product Control

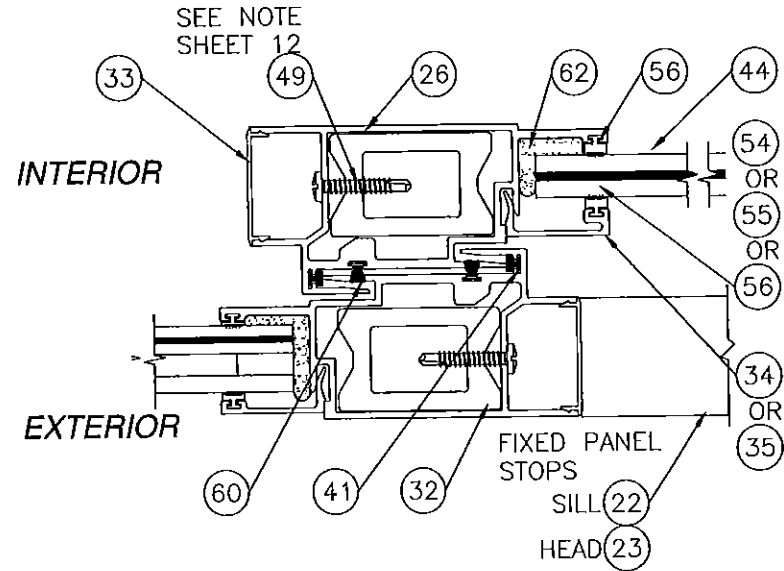
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 82514
L. R. LOMAS



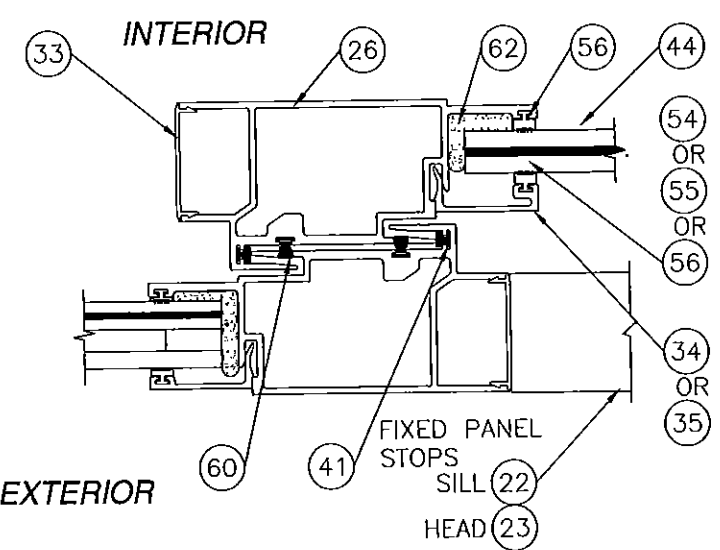
HORIZONTAL CROSS SECTION V
LOCK STILE AT 3 TRACK JAMB



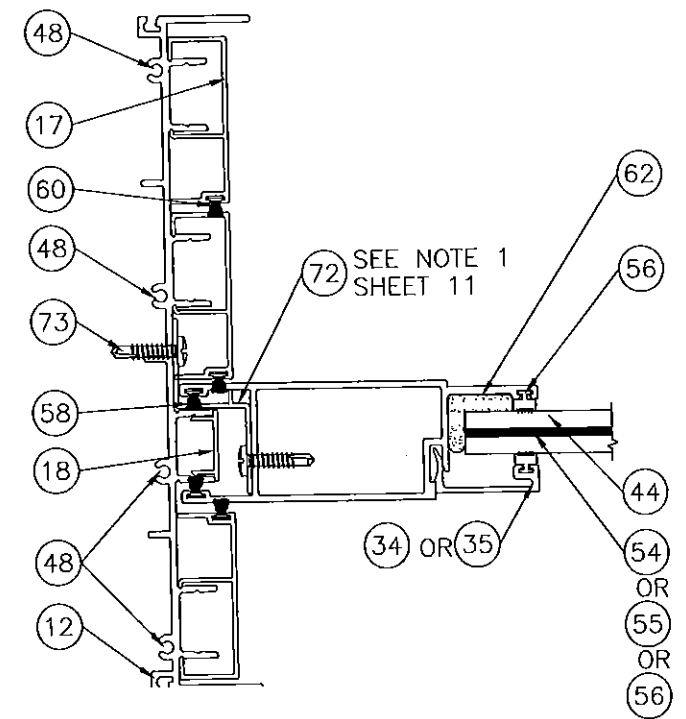
HORIZONTAL CROSS SECTION CC
REINFORCED INTERLOCK STILE TO REINFORCED
INTERLOCK STILE



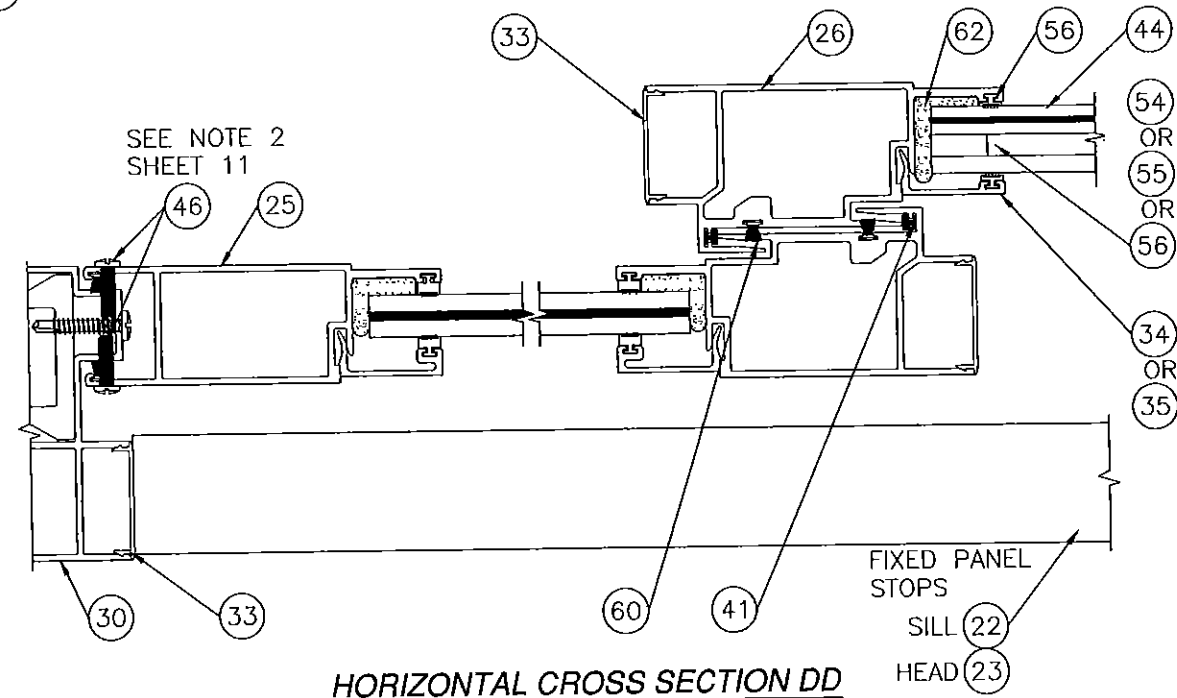
HORIZONTAL CROSS SECTION X
REINFORCED INTERLOCK STILE TO REINFORCED
INTERLOCK STILE



HORIZONTAL CROSS SECTION Y
NON-REINFORCED INTERLOCK STILE TO
NON-REINFORCED INTERLOCK STILE



HORIZONTAL CROSS SECTION Z
PLAIN STILE AT 4 TRACK JAMB



HORIZONTAL CROSS SECTION DD
NON-REINFORCED INTERLOCK STILE TO
NON-REINFORCED INTERLOCK STILE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

PRODUCT REVISED
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Building Code
Acceptance No. 15-0604-09
Expiration Date 6/2/22
Luis R. Lomas
Product Control

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HORIZONTAL CROSS SECTIONS

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DRAWN: TJH

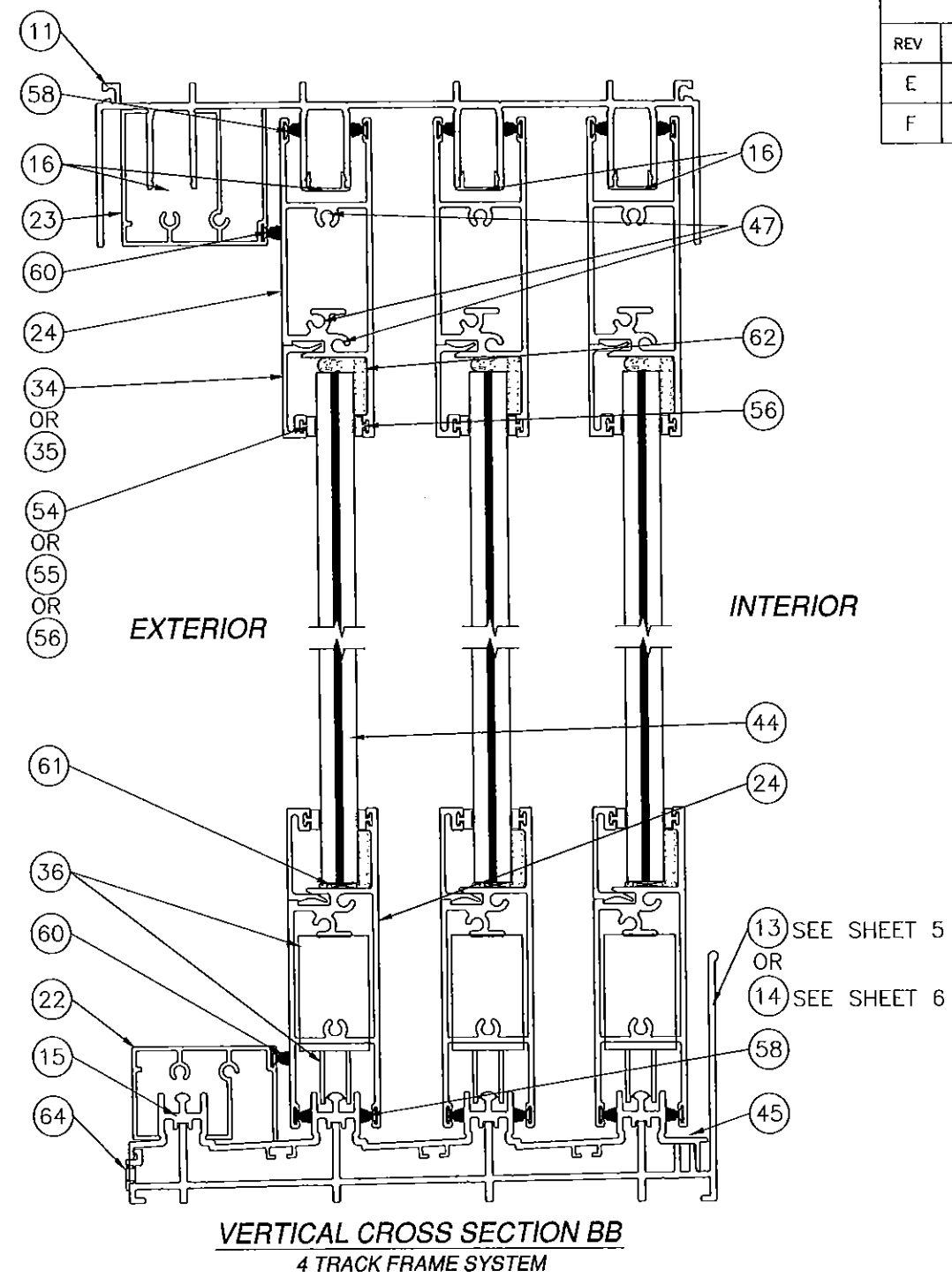
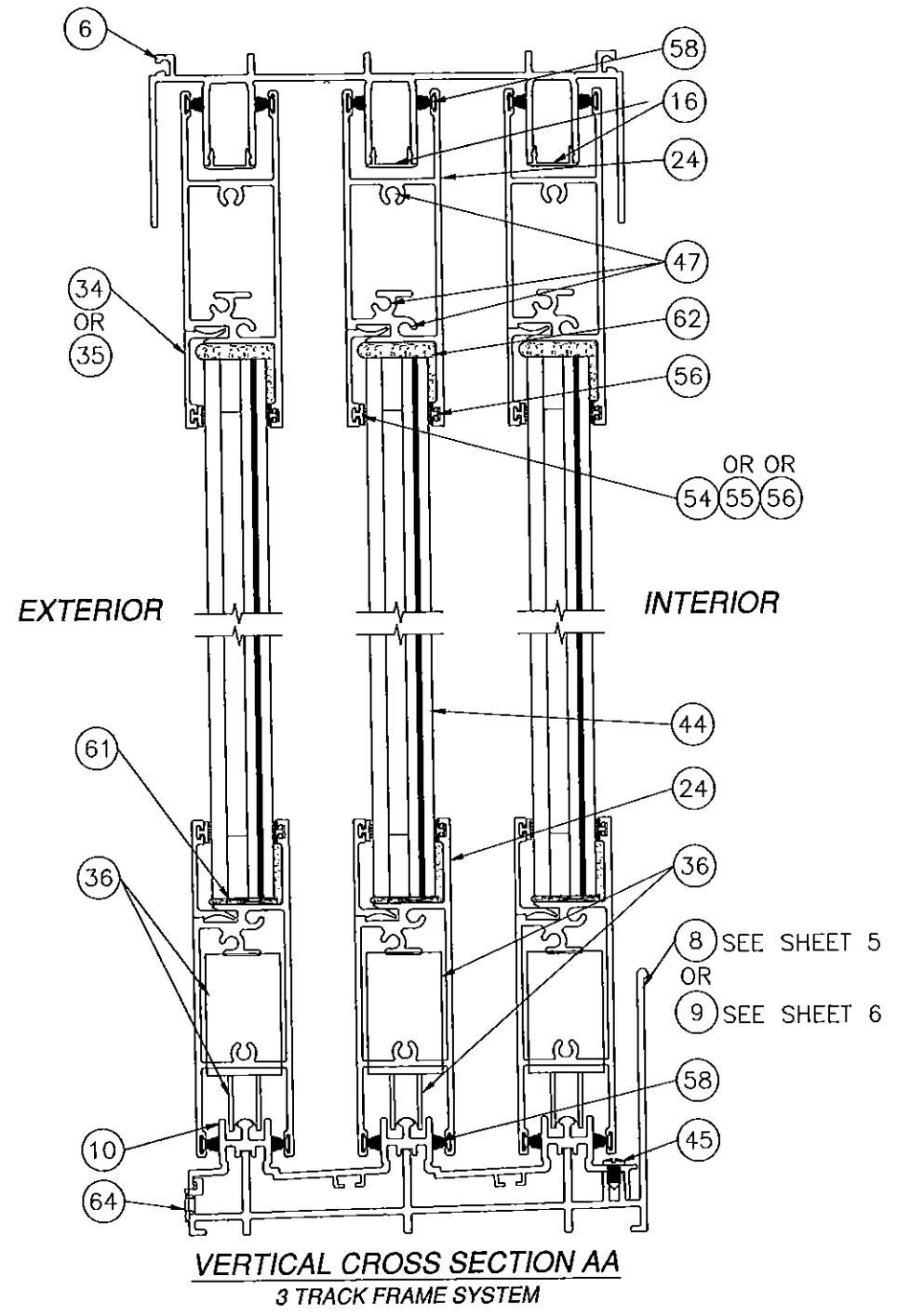
SCALE NTS

DWG NO. 08-00638

DATE 12/10/08

REV F

SHEET 14 OF 21



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

NOTE:
VERTICAL SECTIONS
ILLUSTRATED WITHOUT
SUBSTRATE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0604-09
Expiration Date 6/2/20
by Luis R. Lomas
Miami, Dealer/Product Control

NOTE:
SEE SHEETS 16, 17 AND 18 FOR TYPICAL ANCHORAGE TO
VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS
INDICATED ON EACH HEAD AND TRACK SYSTEM. OTHER HEAD AND
TRACK SYSTEMS ARE SIMILAR.

SIGNED: 02/09/2016

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HORIZONTAL CROSS SECTIONS

DRAWN: TJH

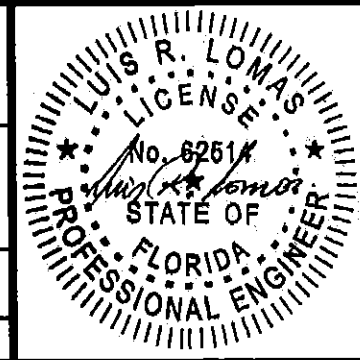
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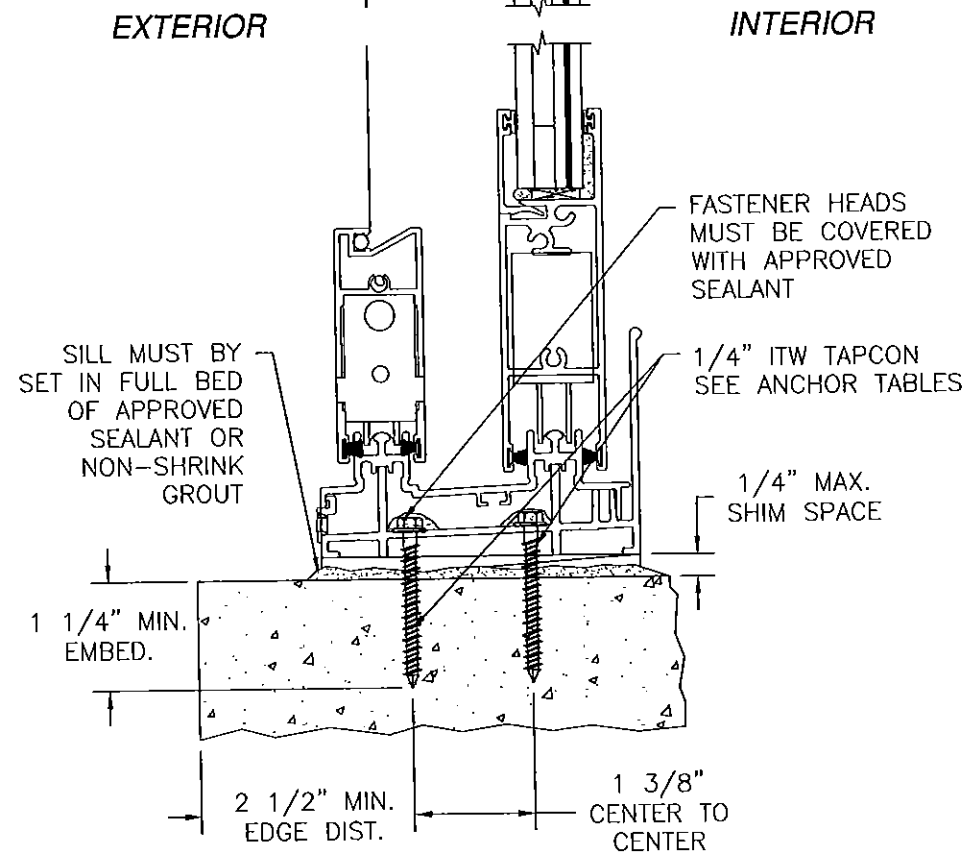
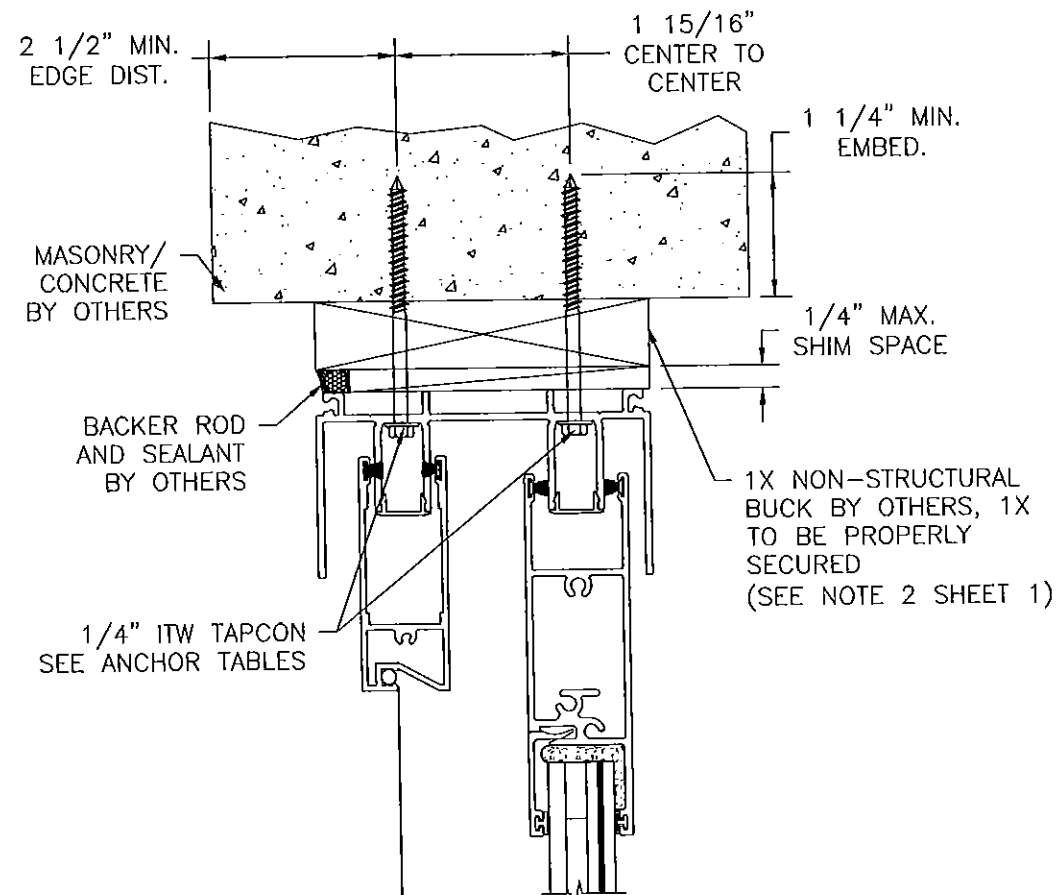
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SCALE NTS

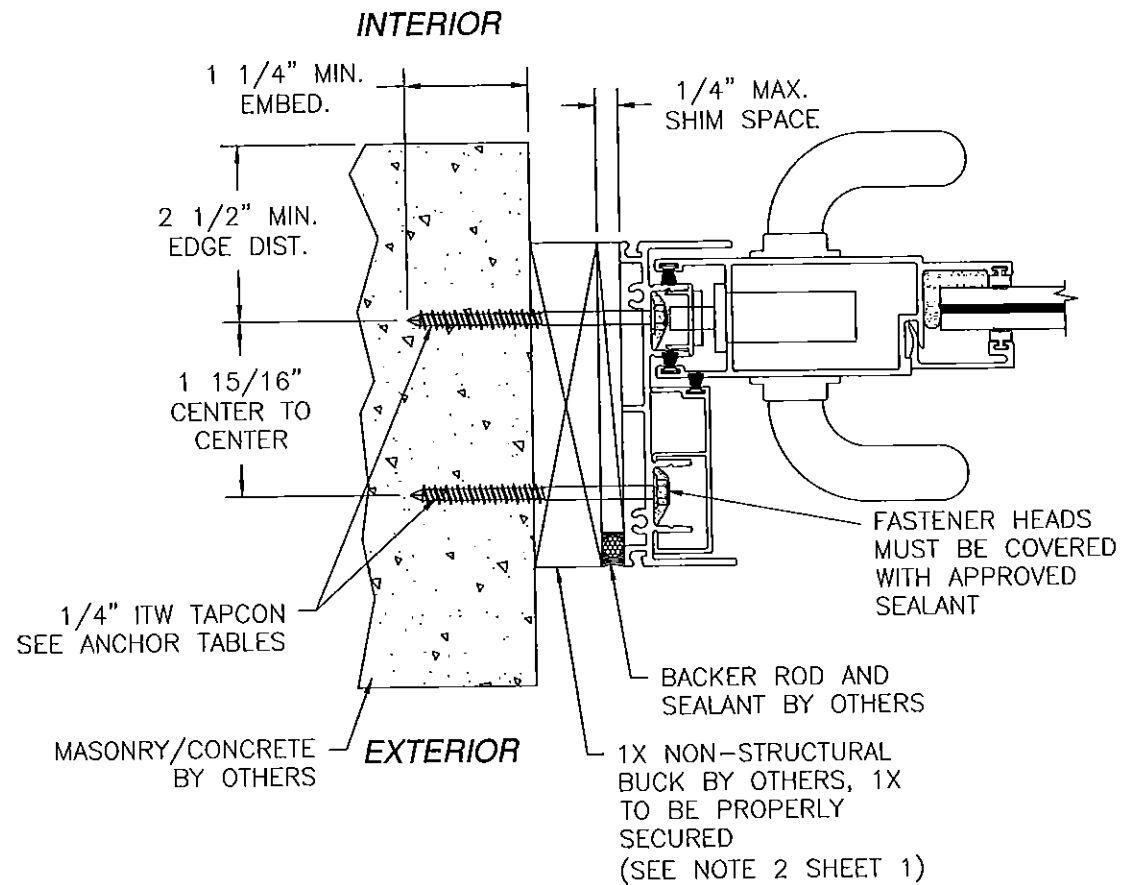
DATE 12/10/08

SHEET 15 OF 21





2 TRACK FRAME VERTICAL INSTALLATION
MASONRY/CONCRETE INSTALLATION, 2 TRACK SHOWN 3
TRACK & 4 TRACK SIMILAR (SEE SHEET 7)



2 TRACK FRAME JAMB INSTALLATION
1X BUCK TO MASONRY/CONCRETE INSTALLATION, 2
TRACK SHOWN 3 TRACK &
4 TRACK SIMILAR (SEE SHEET 7)

NOTE:
CONCRETE SUBSTRATE SHOWN. ANCHORAGE IN EXTERIOR &
INTERIOR TRACK LOCATIONS IS TYPICAL FOR 3 TRACK AND 4
TRACK SYSTEMS.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0604.09
Expiration Date 6/2/20
Luis R. Lomas
Major Deck Product Control

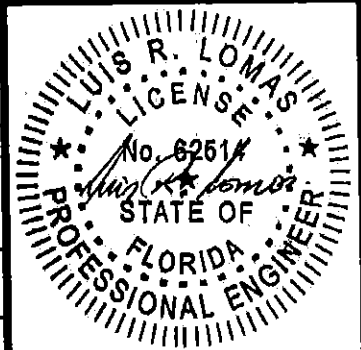
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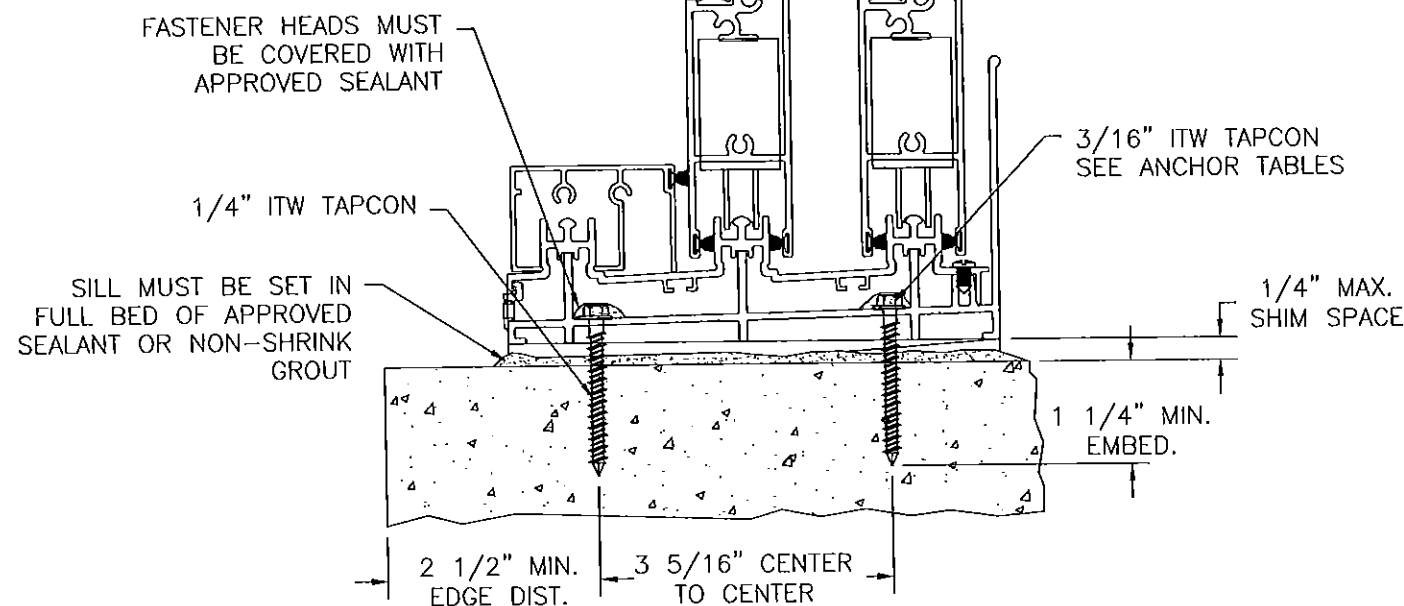
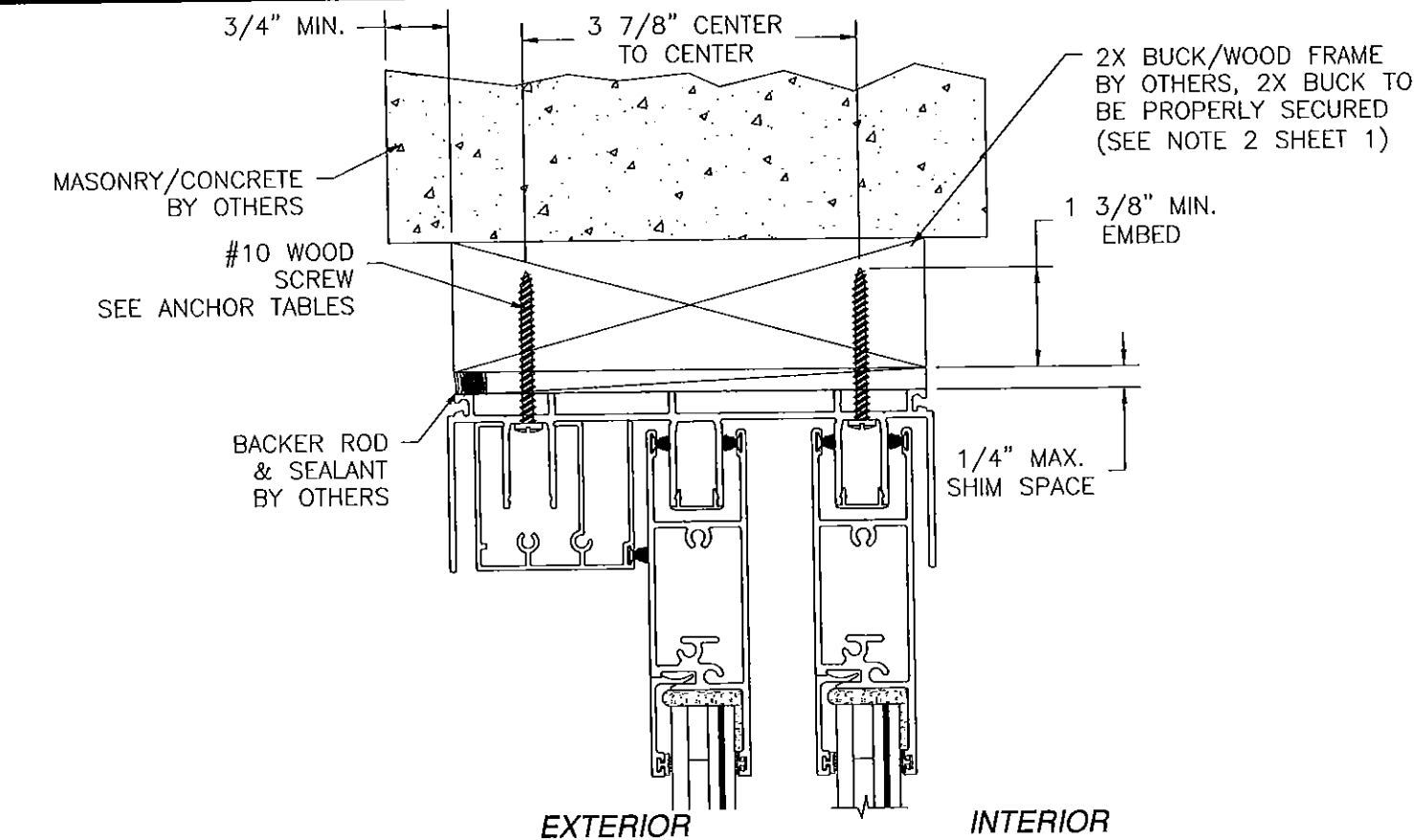
7000 SERIES LMI REINFORCED
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INSTALLATION DETAILS

DRAWN: TJH	DWG. NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 16 OF 21

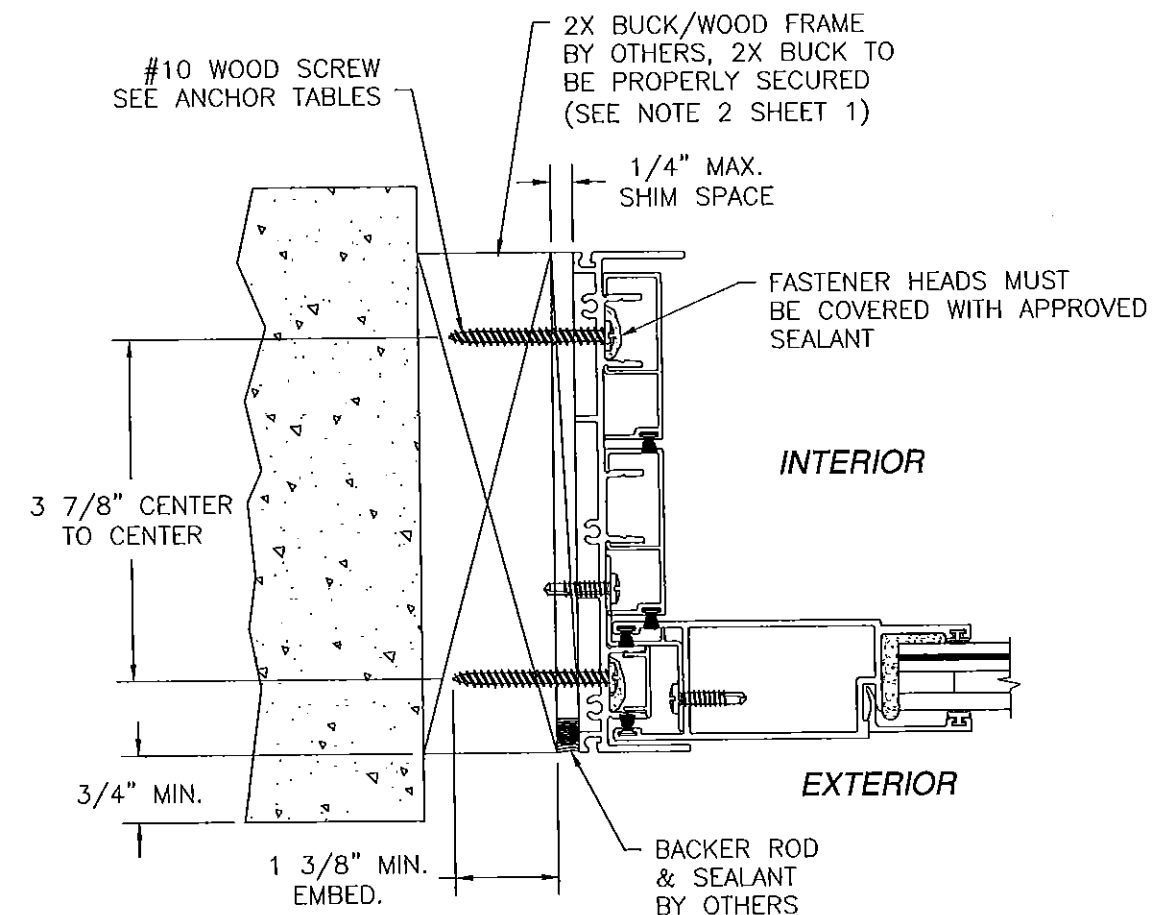


REVISIONS

REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



3 TRACK FRAME VERTICAL INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION, 3 TRACK SHOWN 2 TRACK & 4 TRACK SIMILAR (SEE SHEET 7)



3 TRACK FRAME JAMB INSTALLATION
2X BUCK/WOOD FRAME INSTALLATION, 3 TRACK SHOWN 2 TRACK & 4 TRACK SIMILAR (SEE SHEET 7)

NOTE:
2X BUCK/WOOD FRAME SUBSTRATE SHOWN. ANCHORAGE IN EXTERIOR TRACK LOCATIONS IS TYPICAL FOR 2 TRACK AND 4 TRACK SYSTEMS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0604.09
Expiration Date 6/2/20
L. Shag / L. Chaudhary
MD and Product Control

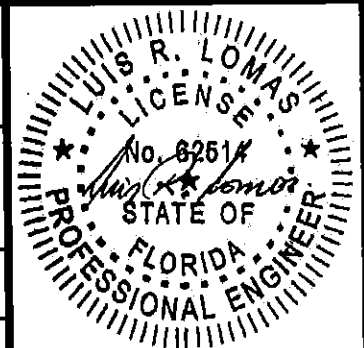
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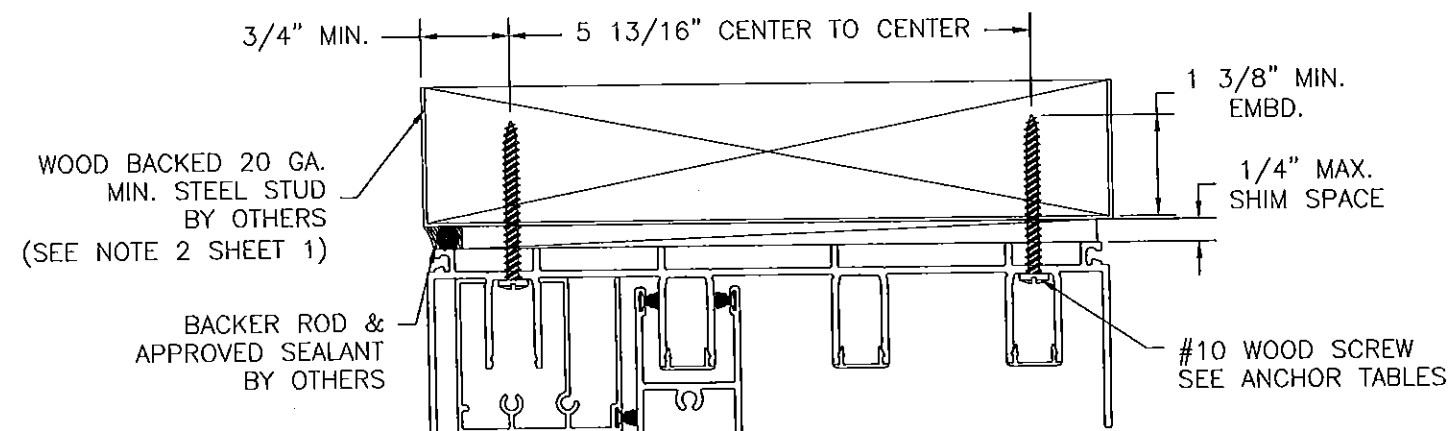
7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0" x 8'2" PANEL)
INSTALLATION DETAILS

DRAWN: TJH	DWG. NO. 08-00638	REV F
SCALE NTS	DATE 12/10/08	SHEET 17 OF 21

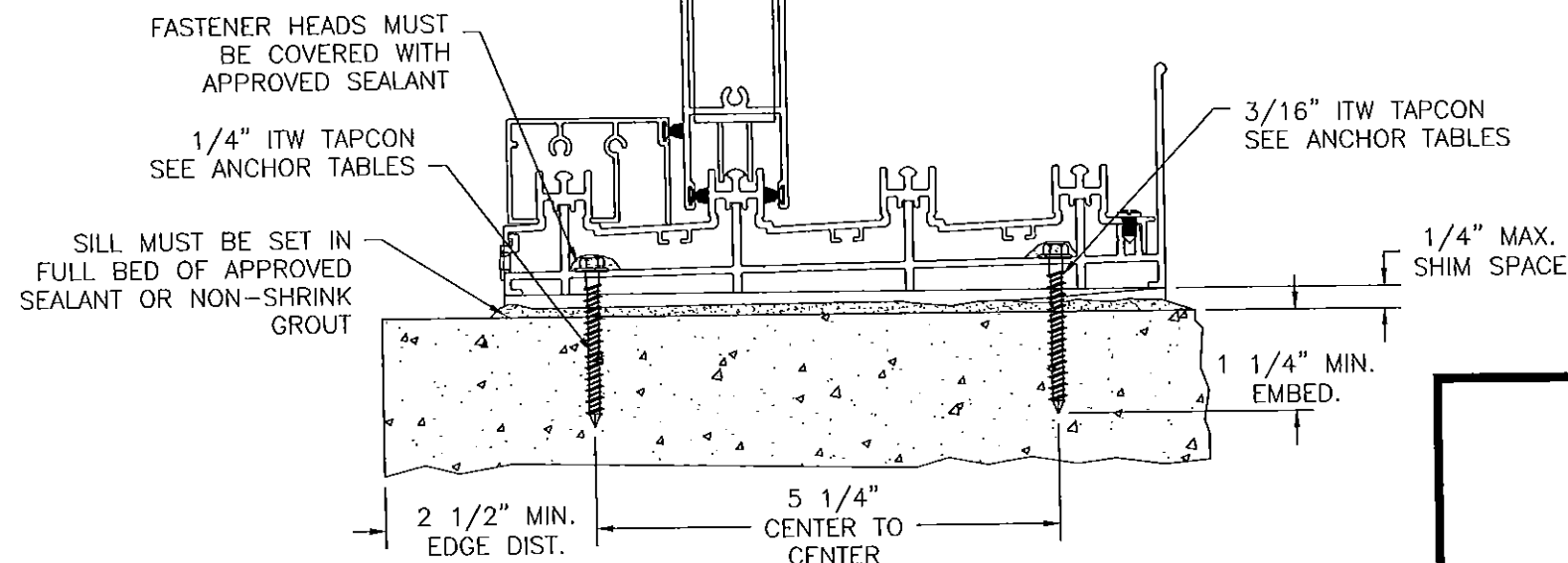


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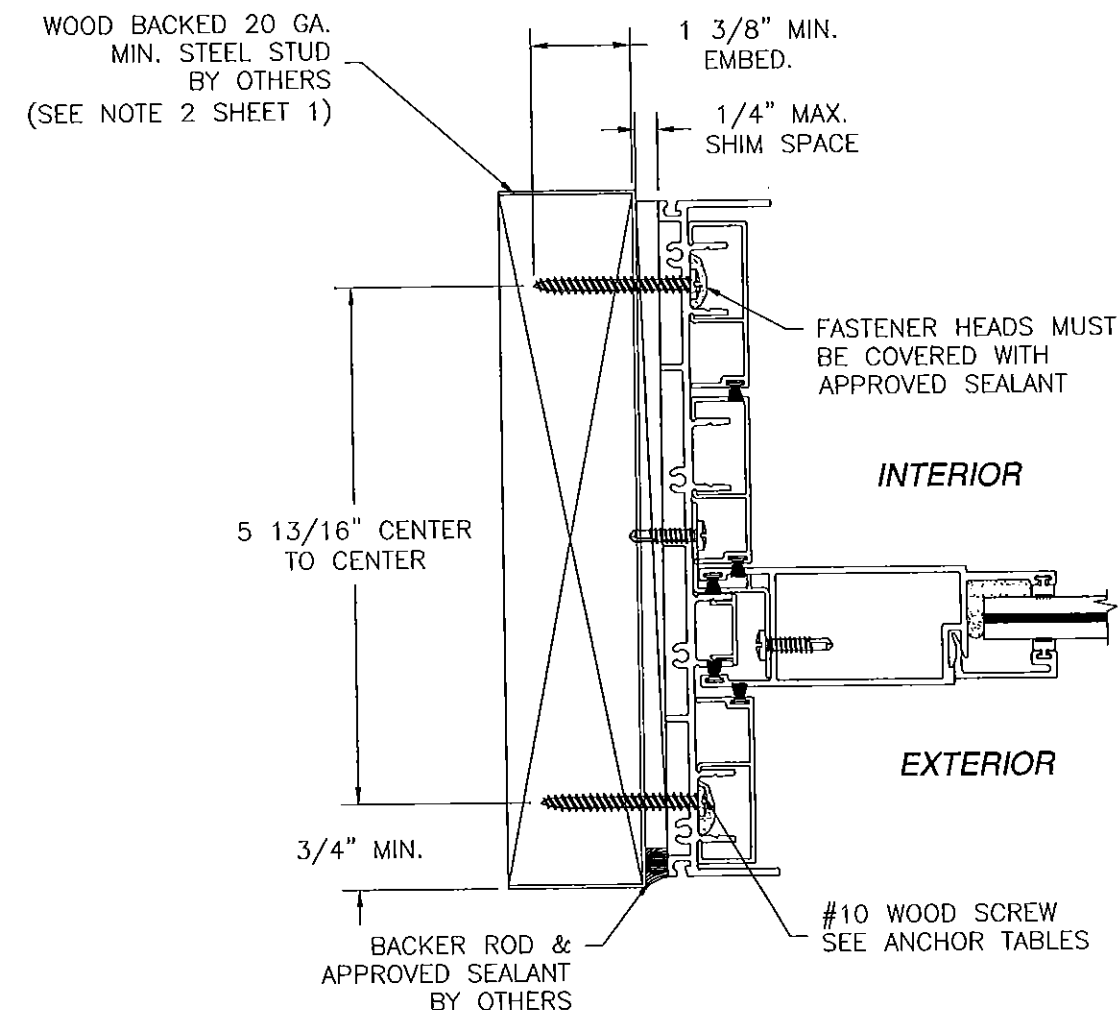
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



EXTERIOR INTERIOR



4 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK
SHOWN 2 TRACK & 3 TRACK SIMILAR (SEE SHEET 7)



INTERIOR

EXTERIOR

4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION, 4 TRACK
SHOWN 2 TRACK & 3 TRACK SIMILAR (SEE SHEET 7)

NOTE:
WOOD BACKED 20 GA. STEEL STUD SUBSTRATE SHOWN.
ANCHORAGE IN EXTERIOR TRACK LOCATIONS IS TYPICAL FOR 2
TRACK AND 3 TRACK SYSTEMS.

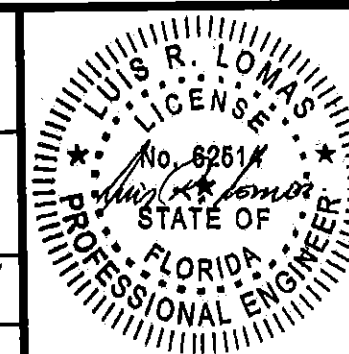
SIGNED: 02/09/2016

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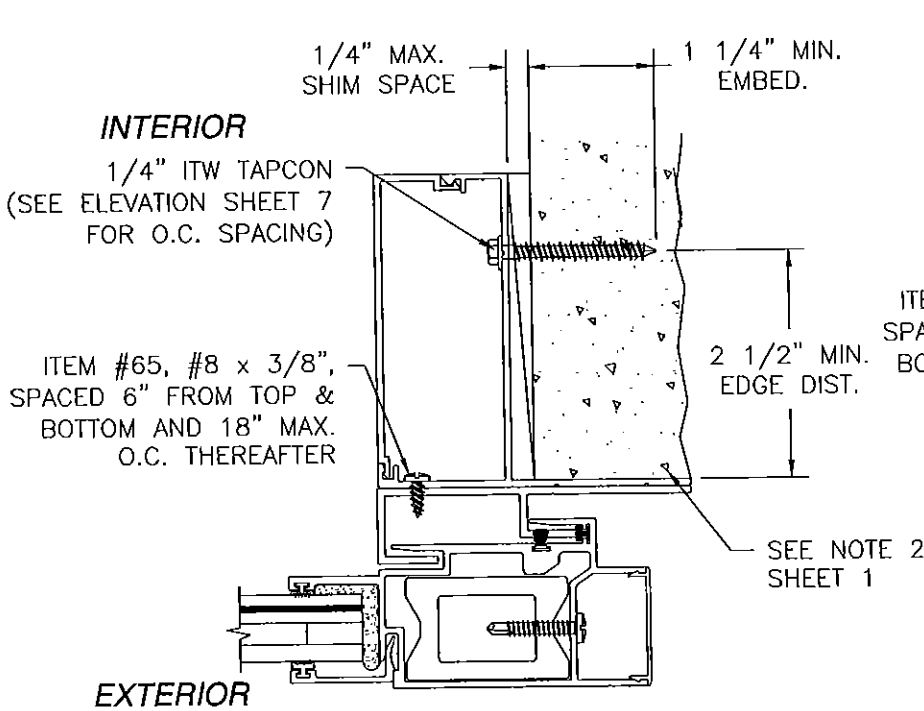
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INSTALLATION DETAILS

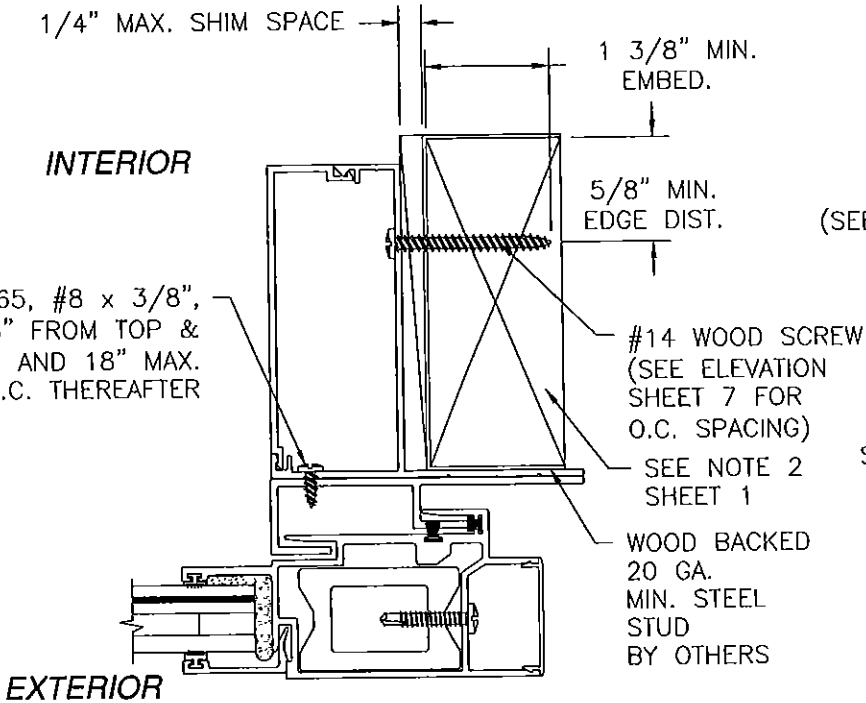
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SCALE NTS	DATE 12/10/08	SHEET 18 OF 21



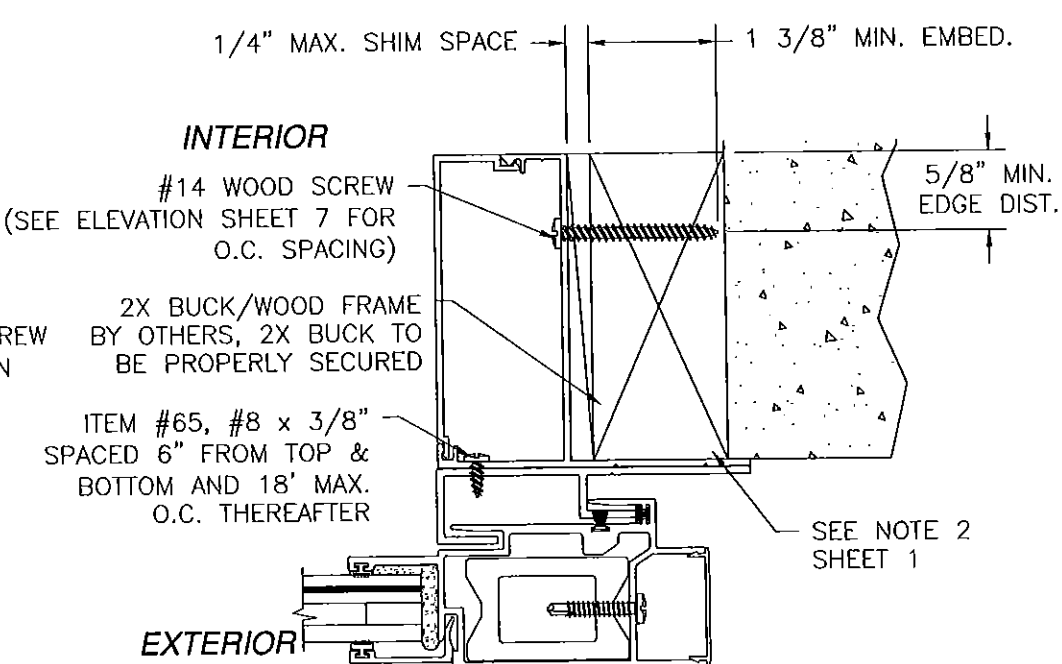
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



POCKET HOOK STRIP
MASONRY/CONCRETE INSTALLATION
REINFORCED SHOWN, NON-REINFORCED SIMILAR.



POCKET HOOK STRIP
WOOD BACKED 20 GA. STEEL STUD INSTALLATION REINFORCED
SHOWN, NON-REINFORCED SIMILAR.



POCKET HOOK STRIP
2X BUCK/WOOD FRAME INSTALLATION REINFORCED SHOWN,
NON-REINFORCED SIMILAR.

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0664-09
Expiration Date 6/12/20
L. R. Lomas
Product Control

SEE POCKET JAMB (POCKET STRIP) ELEVATION IN SHEET 7 AND POCKET JAMB ANCHOR CHART #10 IN SHEET 6.

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7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0 x 8'2 PANEL)
INSTALLATION DETAILS

DRAWN: TJH

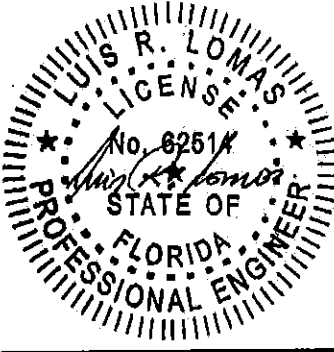
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REV F

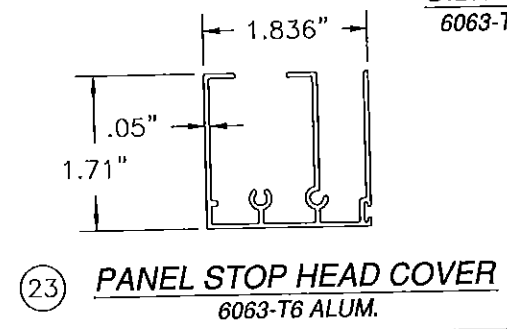
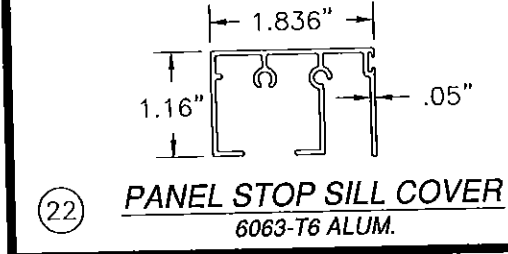
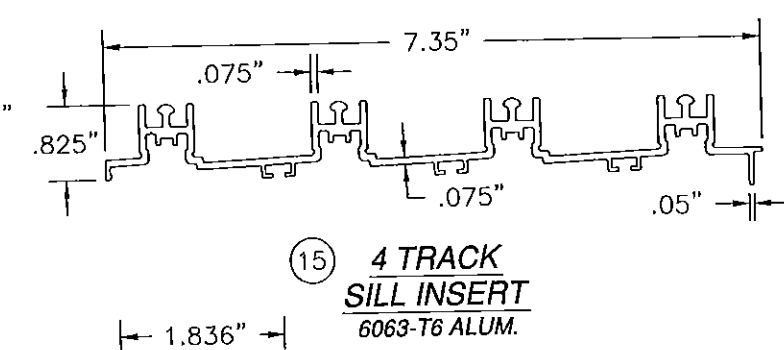
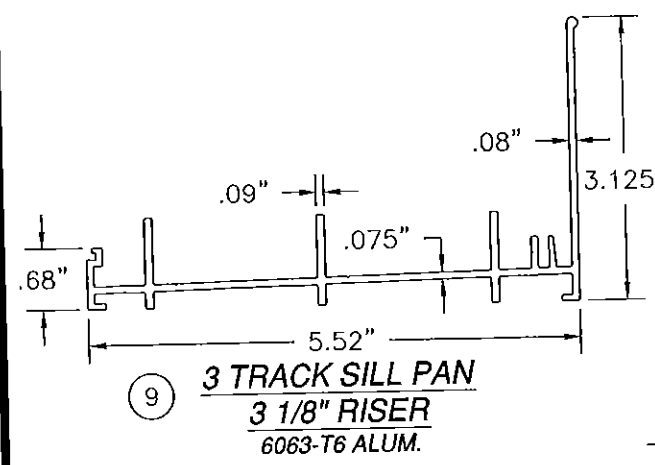
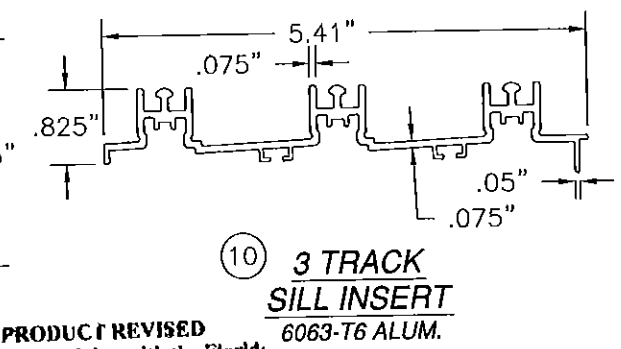
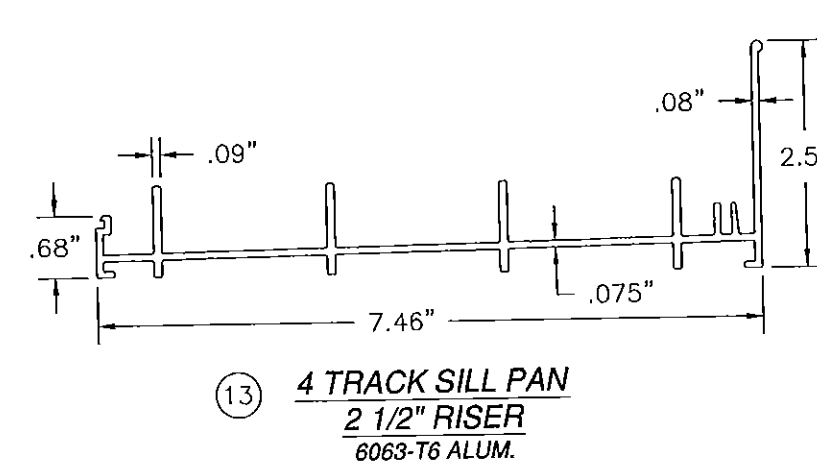
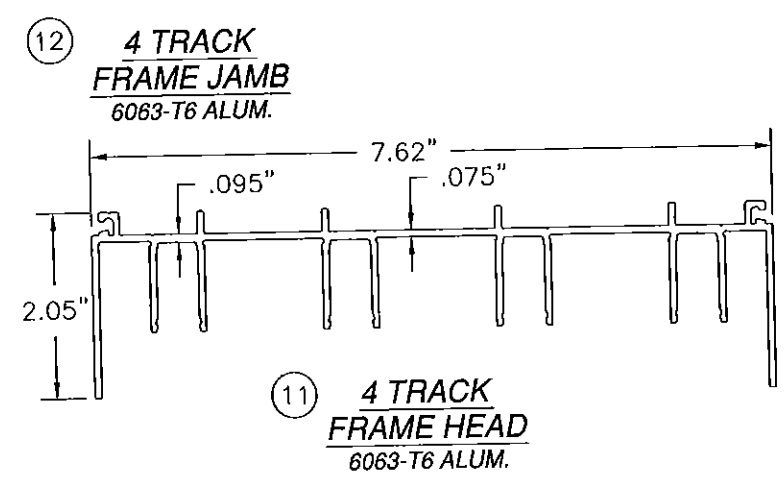
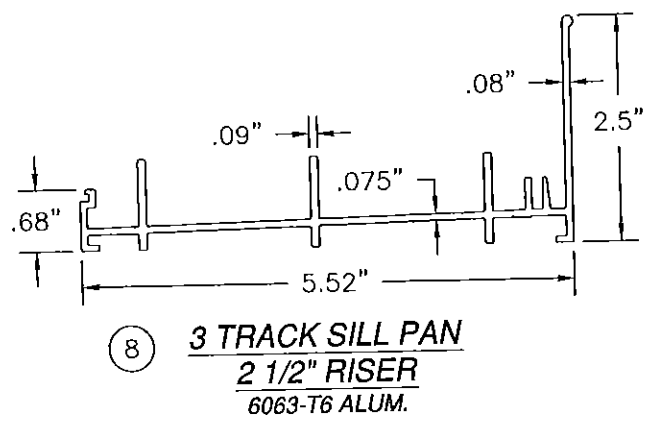
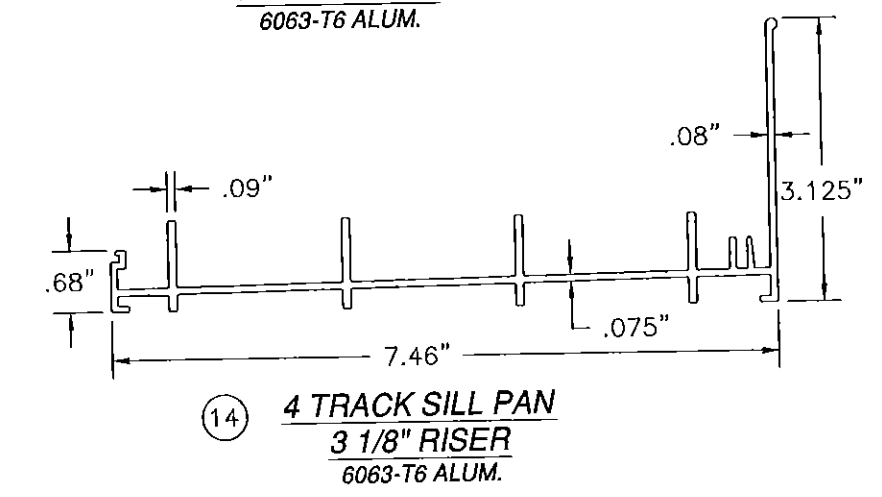
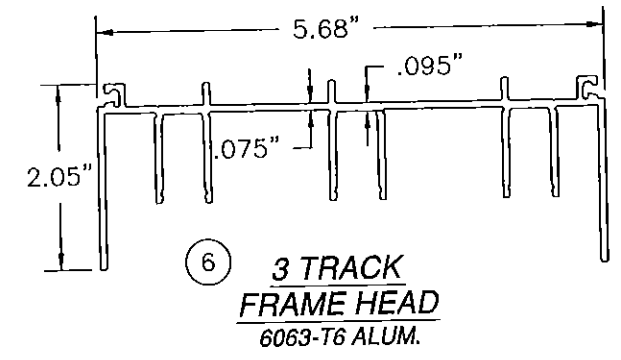
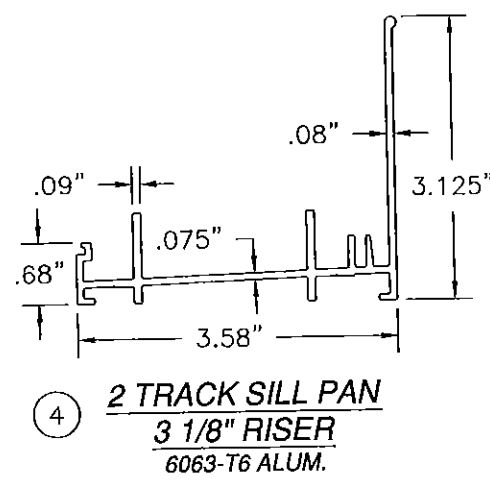
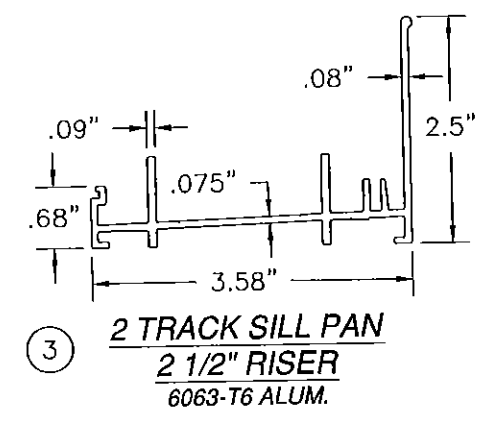
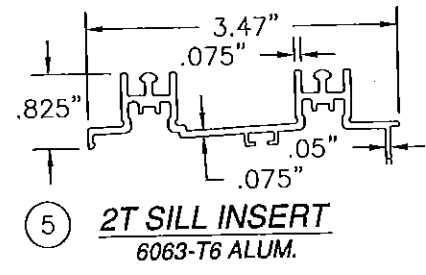
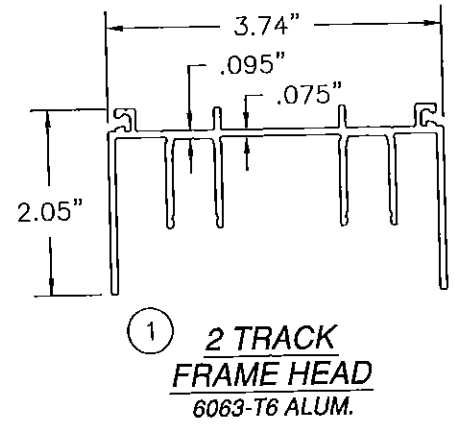
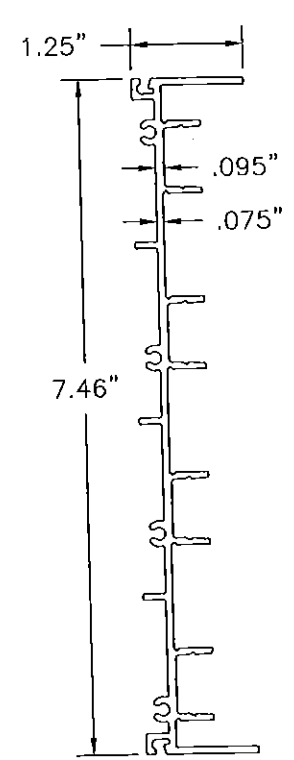
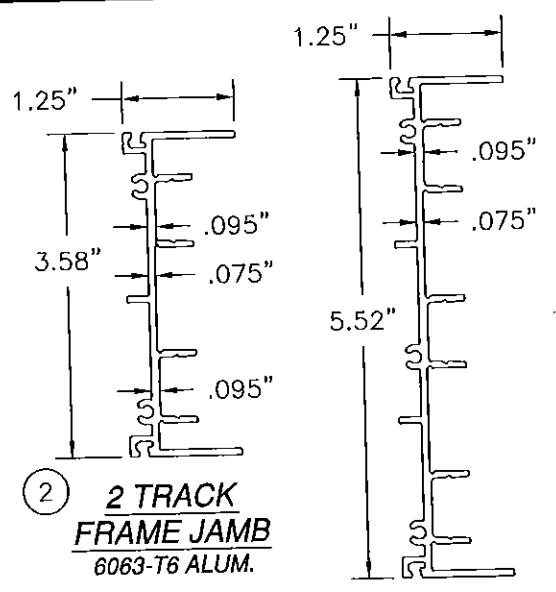
SCALE NTS

DATE 12/10/08

SHEET 19 OF 21



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
F	REVISED PER MD COMMENTS	11/10/15	R.L.



PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0604-09
Expiration Date: June 02, 2020
Ismael I. Landa
Major Dept. Product Control

SIGNED: 02/09/2016

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
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Fax: 407.481.0505
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7000 SERIES LMI REINFORCED
& NON-REINFORCED (5'0" x 8'2" PANEL)
COMPONENTS

DRAWN:
TJH

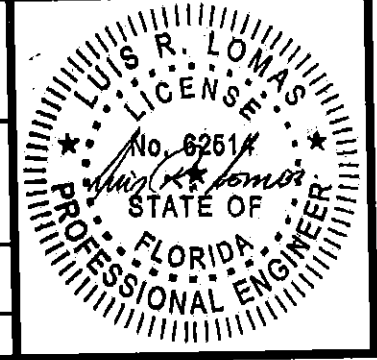
DWG NO.
08-00638

REV
F

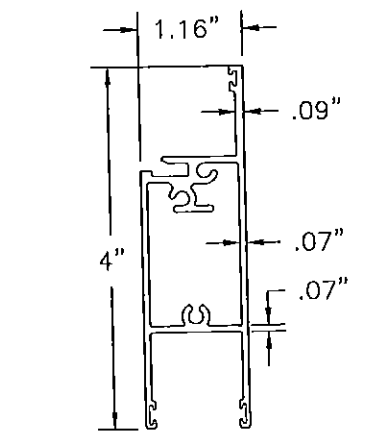
SCALE
NTS

DATE
12/10/08

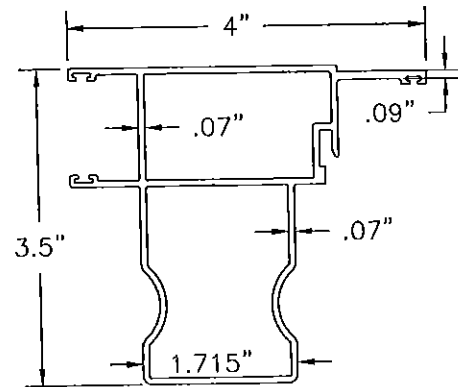
SHEET
20 OF 21



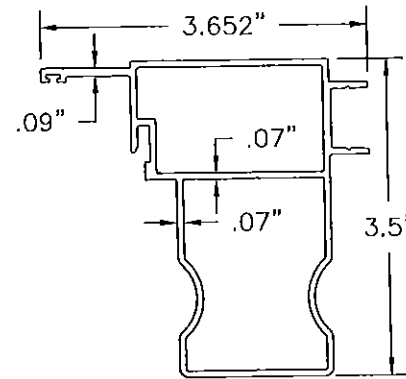
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	ADDED CHART FOR WOOD ANCHORING	03/30/15	R.L.
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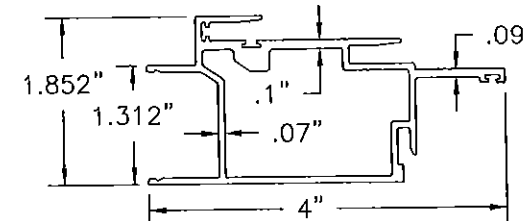
24 TOP & BOTTOM RAIL
6063-T6 ALUM.



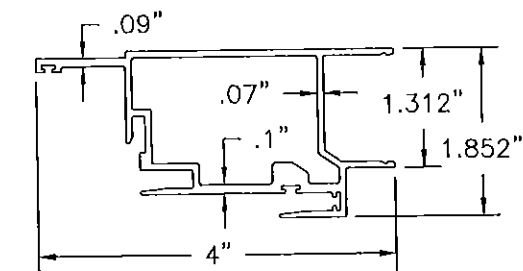
29 LOCKING BUTT STILE
6063-T6 ALUM.



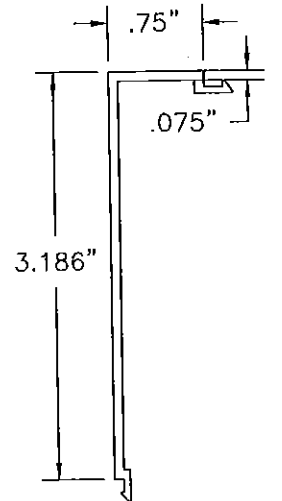
28 MALE BUTT STILE
6063-T6 ALUM.



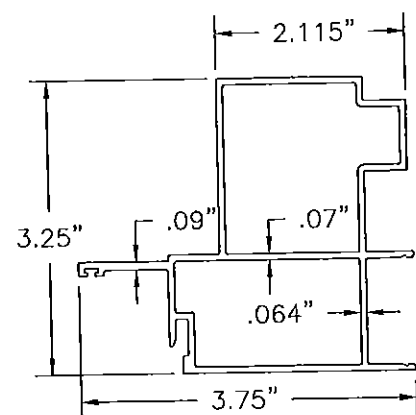
27 INTERLOCK STILE RIGHT
6063-T6 ALUM.



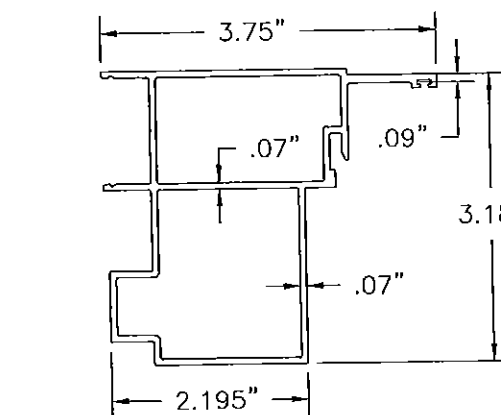
26 INTERLOCK STILE LEFT
6063-T6 ALUM.



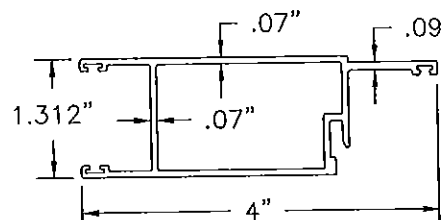
20 HOOK STRIP WALL COVER
6063-T6 ALUM.



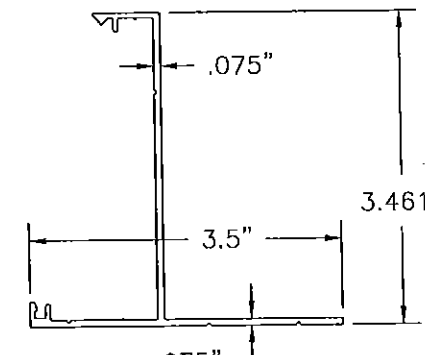
30 INTERIOR FIXED BUTT STILE
6063-T6 ALUM.



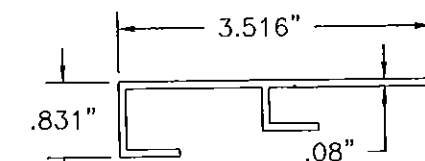
31 EXTERIOR FIXED BUTT STILE
6063-T6 ALUM.



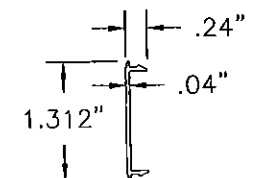
25 LOCK/PLAIN STILE
6063-T6 ALUM.



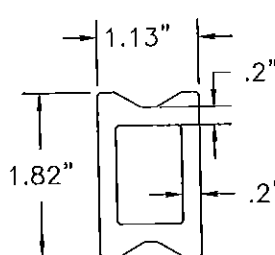
21 HOOK STRIP WALL MOUNT
6063-T6 ALUM.



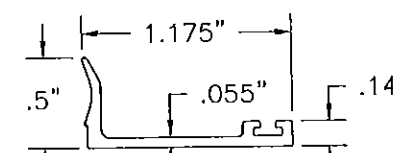
19 HOOK STRIP BASE
6063-T6 ALUM.



33 BUTT STILE & INTERLOCK COVER
6063-T6 ALUM.



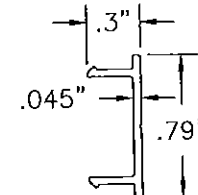
35 3/4\"/>



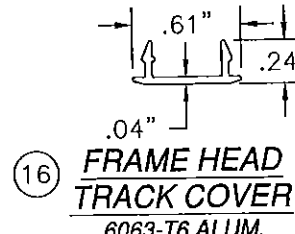
34 1/4\"/>

32 INTERLOCK REINFORCING BAR
6005-T5 ALUM.

18 FLUSH JAMB COVER
6063-T6 ALUM.



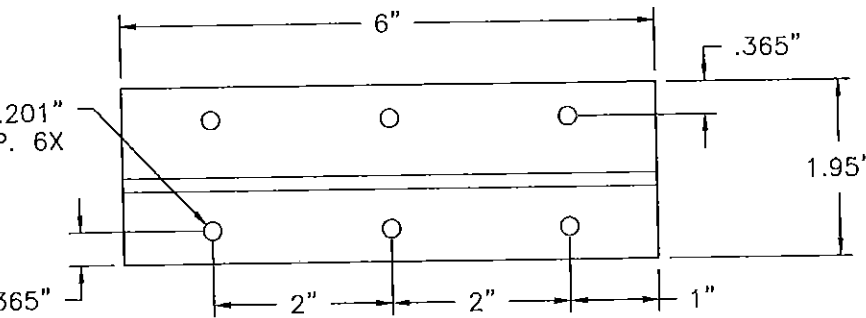
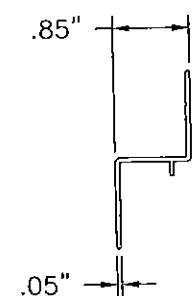
17 RECESSED JAMB COVER
6063-T6 ALUM.



16 FRAME HEAD TRACK COVER
6063-T6 ALUM.

PRODUCT REVISED
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Building Code
Acceptance No. 15-0604.09
Expiration Date JUNE 03, 2020
Luis R. Lomas
Professional Engineer
State of Florida

SIGNED: 02/09/2016



72 FIXED PANEL Z-CLIP
6063-T6 ALUM.

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DWG NO.
08-00638

REV
F

SCALE NTS

DATE 12/10/08

SHEET 21 OF 21

